The Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 300 .-- Vol. XI.]

LONDON: SATURDAY, MAY 22, 1841.

PRICE 6D.

PUBLIC COMPANIES.

MEETINGS.

BAHIA STEAM NAVIGATION COMPANY.—Notice is hereby given, that a GENERAL MEETING of the proprietors of the Bahia Steam Navigation Company will be held on Thursday, the 27th of May next, at the George and Vulture Tavern, George, april, Lomband-street, at Twelve for One o'clock precisely, for the purpose of considering the propriety of an absolute and entire dissolution of the said company.

CHARLES BAUNDERSON, Hon. Sec.
Bahia Steam Navigation Company's office, Lombard-street Chambers,
Clement's lane, London, April 26.

DAHIA STEAM NAVIGATION COMPANY.—The proprietors of this company are hereby directed to take notice, that the DEED of SETTLEMENT is now LYING for SIGNATURE at the office of Messrs. Kearsey, Hughes, Thomas, and Masterman, No. 17. Bucklersbury, the solicitors to the company; and that by the provisions of the said deed, no proprietor can be allowed to vote in any matter connected with the business of the said company until he shall have executed the deed of settlement. By order of the board of directors, CHARLES SAUNDERSON, Hon. Secretary. Bahia Steam Navigation Company's office, London, April 26.

COLOMBIAN MINING ASSOCIATION—The SIXTEENTH GINERAL ANNIAL MEETING of the proprietors of this association will be held at the office of the association, on Thursday, the 17th day of June next, at who o'clock precisely. At this meeting three directors will be elected, in the place (J. D. Powies, Esq., John Routh, Esq., and Thomas Wilson, Esq., who go out by otation, but are eligible to be re-elected.

By order of the board of directors,
Office, 13, Austinfriars, London, May 20.

JOHN CHAPMAN, Sec.

LANELLY RAILWAY AND DOCK COMPANY.—The

ANNUAL GENERAL MEETING of proprietors will be holden at the London
orn, Bishopagate-street, in the city of London, on Monday, the 7th day of June
t, at half-past Twelve for One o'clock precisely.
By order of the committee of management,
id Broad-street, London, May 7.

JOHN BIGG, Secretary.

EXICAN AND SOUTH AMERICAN COMPANY.—The SIXTH ANNUAL GENERAL MEETING of the proprietors of shares in Mexican and South American Company will be held at the office of the Anglo-team Mint Company, No. 9, New Broad-street, on Wednesday, the 9th day of a next, at One o'clock precisely. At this unceting two directors will be elected, in the place of John Schneider, Eq., who retires, but is eligible to be re-elected, one who will be proposed to the meeting in addition to the present direction. b. 10, New Broad-street-mews, May 20.

H. W. SCHNEIDER, Sec.

NEW GRANADA MINING COMPANY.— Notice is hereby given, that the SIXTH GENERAL ANNUAL MEETING of this company will be held at the office of the company, on Thursday, the 17th day of June, at Three o'clock precisely. At this meeting one director will be elected, in the place of Edward Hurry, Esq., who goes out hy rotation, but is eligible to be re-elected. By order of the board of directors, 13, Austinfriars, London, May 28.

JOHN CHAPMAN, Sec.

ST. JOHN DEL REY MINING COMPANY.—The Eleventh ANNUAL GENERAL MEETING of the proprietors of the St. John del Rey lining Company will be held at the company's office, S. Tokenhouse yard, Loth arry, on Friday, the 28th instant, at Two o'clock precisely. At this meeting two rectors will be elected—one in lieu of Edward Hurry, Esq., who goes out by room, but who is re eligible, and one in lieu of James Mackensie. Esq., deceased, S. Tokenhouse yard, May 6.

GEORGE D. KEOGH, Sec.

ANESCOMBE COPPER MINING COMPANY.—Notice is hereby given, that a CALL of TEN SHILLINGS per share was this day by the directors on the shareholders of the above mine, to be paid on or behe letch day of June next, at this office.

Birchin lane, London, May 12.

AST TRETOIL MINING COMPANY.-Notice is hereby given, that the period limited by the regulations of the company for the rement of the first CALL of F. VE SHILLINGS PER SHARE, leaving expired to left corrent, all shares upon which the said call shall remain unpaid on the third period of the shares with the said call shall remain unpaid on the shares with the said of the shares with the said of the s

R 10 DE ANORI GOLD STREAM WORKS COMPANY

SAMUEL HARPER, Sec.

N.B. Upon producing the bankers' receipt for the 10s. call at the office of Mr. 8 Harper, he will duly endorse the p-yment of the call on the original shares. Notice is hereby also given, that it is the intention of the directors of the ab-company to return the call of liu. per share now made to each person who shay the same, provides the directors and the present call inadequate to the purpor of the company.

DIVIDENDS

NGLO-MEXICAN MINT COMPANY .- At the Annual Ge-ILO-MEALUAN MILL CANADAS AND DESCRIPTION OF A PROVING ENG., was a sirector, and Henry William Schneider, Eng., was elected a director in of B. Sh. w. Eng., resigned, and resolutions were passed, declaring TWO by DIVIDENDS of TWELVE SHILLINGS per share each, both payable on the let of June seat. Three clear days notice of claim will be required, which are to be obtained at this office, as under; boars of attendance from a Three.

9, New Broad-street, London, May 16.

N SALE -TWO LOCOMOTIVE ENGINES FOR RAIL

THE ONLY PAPER EXCLUSIVELY DEVOTED TO RAILWAY INFORMATION THE GNLT PAPER EXCLUSIVELY DEVOTED TO RAILWAY INFORMATION.

THE RAILWAY TIMES, published weekly, price 6d. stamped, contains full and accurate rejects that exclusively for this paper; of a stallway meetings, with directors' and engineers' reports, and other efficient decomments at length—audiencie reports of the progress of railway with—audience of railway publications and plans—all the public and private proseculings of Farlianness or railway pills—audience of railway per stallways—audience of railway properties of all law cases affecting reports of all law cases affecting rapidways—the folion particulars of the rise and progress of feering railways—complete railways—the first for London, Liverpool, and Edinburgh—railway trueffic returns—and a great variety of excitotive information. The Railways Times is no carellines meetings for railways and scientific advertisements.

Published every flationary mercing in time for the Morating Malls; office, No. 125, Figert elevel, opposite fit. British's Church, Londons; and any to had of authorized approach in Liverpools. Birmingham, Manchester, British, and Edinburgh; also by senter of all book settlers and normanness and complete.

ITH. Fleet-circet, opposite 8th Bible's Charris, London ; and may be had of articles roud agents in Liverpool. Elimingham, Manchester, Bittate, Bath, and Kilinhwagh, also by order of all booksellers and newmon in term and country.

THE INVENTORS' ADVOCATE, AND JOURNAL OF INDUSTRY, a WEEKLY ESTITION and FOREIGN MINCELLARY of SCI. INDUSTRY, a WEEKLY ESTITION and ARTS, in the most unreful and country. INDUSTRY, a WEEKLY ESTITION and ARTS, in the most unreful and country of sci. INDUSTRY, a WEEKLY ESTITION, MANUFACTURE, and ARTS, in the most unreful and country of sci. INDUSTRY, a WEEKLY ESTITION, MANUFACTURE, and ARTS, in the most unreful and country in the science of the kind published. It contains the activation intelligences of the word, a correct information. In a size stage, with a said of published word, a correct information and descriptions of a formation production and descriptions and descriptions. The contained by the operation of the contained such as the such description of the descriptions and descriptions. The contained such as the such as th

STANNARIES OF CORNWALL.

IN THE VICE WARDEN'S COURT.

IN THE VICE WARDEN'S COURT.

PURSUANT to a decree of the Vice-Warden's Court, made in a cause of "Morcom and others v. Codner and others," the ereditors in respect of the CUDDRA CONSOLIDATED MINES, in the parish of St. Austell, within the said Stannaries, are, on or before the 31st of May instant. to come in and prove their debts before the registrar of the said court, at his office, in Turno, or in default thereof they will be peremptorly excluded the benefit of the said decree.

COODE, SONS, and SHILSON, solicitors, St. Austell. PAUL and ROBERTS, solicitors, Truro.

PAUL and ROBERTS, solicitors, Truro.

STANNARIES OF CORNWALL.

IN THE VICE-WARDEN'S COURT.

MORCOM AND OTHERS S. CORNER AND OTHERS.

WHEREAS the Vice-Warden did, on the 10th day of April last, order, by consent of the defendants, that a sale be made of (amongst other things) the MACHINERY and MATERIALS upon, and belonging to, the CUDDRA CONSOLIDATRD MINES, in the parish of St. Austelli, within the said Stannaries, under the direction of the registrar of the court, and that the proceeds of such sale should be applied by the said registrar, in the manner directed by the decree in the above, mentioned cause. Notice is bereby given that, pursuant to the said decree, a PUBLIC AUCTION will be holden at the Cuddra Consolicated Mines, aforesaid, on Monday, the 24th day of May instant, and following day, at Eleven o'clock in the forencon of each day, for selling, either together or in lots, the undermentioned MINING MACHINERY, MATERIALS, AND O'THER EFFECTS, viz.:—one large fly-wheel and bob, quite new; one large and one small capitan and shears; two capatan ropes 120 rathoms, 14 inch each; several horse-winns, ropes, and sheaf tackies; several poumps, of various sizes, with working H and door-pieces, plunger poies and cases, clack seats and windstones; plates and boths; sixty fathoms 6-inch flat rods, with triangies and rollers and bobs: thirteen 14-inch and sine 2-inch bucket rods and joints; a water wheel, 18-foot, 34-inch breast, in patris; several beauts complete; a large water-wheel, 3-foot breast, in patris; several spare axies and frames; loose stampheads; a large quantity of strongh and cast iron; an iron safe, tram waggoins, chains, several whin kibbles, vices, shocks with brans sheaves, brans soutings, bushings and bucket brasses; brans and from sieves; several brannes, loose stampheads; a large quantity of timber, several launders, tin frames, buddles, and sheda, old circlas, ladders, counting-house furniture, &c.

For vicwing the same, application may be made at the mines; or to Mr. Codney, Lynn's Hotel, 84.

Company, London Institution, and Public Ledger.

MESSRS. SHUTTLEWORTH and SONS are instructed by ESSRS. SHUTTLEWORTH and SONS are instructed by the assignces to include in the next Periodical Sale of Reversionary Intreests, &c., appointed to take place at the Mart, on Friday, June 4, at Twelve, several SHAREs in the public companies and institutions above mentioned. Particulars may be had in due time of Wm. Pennell, Esq., official sasignee, 31, Basing-hall-street, of Messrs, Freshfield, solicitors, New Bank-buildings; at the Mart; and of Messrs. Shuttleworth and Sons, 28, Foultry.

capital.

Printed particulars may shortly be obtained, and every information cheerfull
afforded by David : owland, Esq., White Lion-court, Cornhill, London; Mr. G. F
Strond, Swansea; and of Mr. C. Warton, auctioneer and estate agent, ist, Thread

BRADLEY IRON WORKS AND HALLFIELD'S COLLIEBY AND FURNACE,

BRADLEY IRON WORKS AND HALLPIELD'S COLLIERY AND FURNACE, KEAR BILATON.

TO BE SOLD, by PRIVATE TREATY, or TO BE LET (with immediate possession as to that part which is in hand, and as to that under leave, after the expiration of the leave), the abevenamed property, eliuste in the midst of the South Staffordshire mining district, interesceded by the upper level of the Birmingham Canal jon which are several convenient wharfs), and surrounded by good roads. The iron works, which comprise an excellent furge and mill, recently exected, and weeked by engines, one of 18 and the other of 80 bores power, capable of making jide tons per week of bar, abeet, houp, and rand iron, are let to Messen. G. and E. Thorneyeroft, under an agreement for a lease, which will expire at Christmas, 1943.

The furnace and colliery are at present worked by the proprietors, and mar, therefore, he taken possession of lumediately. The mines remaining to be gotten are the whole of the New Mines and Heathern coal, under about sixty acres of land, together with the cibn and pilitars of thick coal, the destination staff credit cap valuable, the same not having been wrought (the any extent) since the first working over of the measure, twenty to thirty years ago. There is also some thick coal, in the whole, remaining to be gotten—also, the Gutbins ironatons under a good part of the sixty acres, and some Five and Rend and Brooch e.u.d. There are numerous pits sout through the thick coal, and there is a powerful mine or pumping engine for desiring the water, together with two winding engines (with 21 and zh land, pitches), gian, pitchemo, railways, railways waggons, and all occessary colliery steadles the usual exections connected with a furinace, headen the vascal exections connected with a furinace, headen the constants.

It and pt. linch cylinderu, gine, pil framo, railways, railway waggons, and all oc-cessary colliery steads.

The furnace, besides the usual exections monnected with a furnace, has also a refinery, capolia, air furnace, and spackous foundry (with powerful crane), obvieus, and other conveniences in forestelly perponen. It has also an improved apparation for heating the blast, and a water balance, which raises the choicer and the ma-terials for filling the foreace to the easile level, so that the foreace are thereon wheeled away at a very triffing expense. The cetade also comprises two extensive potteries and two brick works, for which there is an empire supply of the several norts of clay used—also, mandry dwelling houses, one of which is satisfable for the residence of an agent of manager, and convenient offices. The sourhus of the free-med it very valuable as tuisiding land, for which there is a great demand. The purchase-money, in case the premisens are note, will show the granulant on mortgage, it wished.

Mr. John Demeting, the agend at the works, will show the granulant, and innoters for lensing or purchasing them are requested to be addressed to John Finchett Maddock, Eng., of Chester; or to Meners. Wagstoff, floot, and March, self-effore, Nartington, from either of whom further particulars may be heared.

ADVANTAGEOUR INVESTMENT OR PARTMERSHIP.

ADVANTAGEOUR INVESTMENT OR PARTMERSHIP.

TO BE SOLD, the whole or part of a VALUABLE COLLIERY, beld moder leaves at moderate ropuly rook, and estimated in flourit Wales, about two miles distanct from a gened port, to which object of the largest class report for coals, and to which there is a good realway from the codiery. The coal is of an accollect quadry, and remowned for homeshold purposes, steems cogliers, maneodactories, expert works, foundation, be, of which there are neveral in the immediate reighbourchood. There are two value of coal extending over about 500 acres, and all the necessary plst, levels, Am., are expended, and proper remember according to the fall, working of the colision. The part was considered to nearly 31, 200 tones, more which a good profit was reactions, and the sale see. For example, increased by the coasificately increased by the examinate of an entire was reactions, and the sale

RIGHT OF MINING ON CROWN LANDS IN NEW BRUNSWICK. INING LOTS in WESTMORLAND, NEW BRUNSWICK.

INING LOTS in WESTMORLAND, NEW BRUNSWICK Crown Land Office, New Brunswick, March 29, Public notice is hereby given, that the following districts in the county of Wed morland —via.; Beginning at the south west angle of Mining Lot No. 1 (alread leased to John Alexander and others), about three miles north west from the tow of Dorchester, thence running by the magnet north 2 deg, east three miles, thence north 8st deg, west stever miles, evasting the River Petiteodiae in that distance thence south 2 deg, west stever miles, crossing the River Petiteodiae in that distance thence south 2 deg, west state miles, and passing to the couthward of Dorchester, thence north 2 deg, east three miles, and thence north 2 deg, east three miles, and thence north 2 deg, east three miles to hapfe ning, comprising a part of the parish of Borchester, and the greater part of Hilb borough, will be marked off into mining into or blocks of three miles to hapfe ning, comprising a part of the parish of Borchester, and the greater part of Hilb borough, will be marked of its mining into or blocks of three miles square, or each side of a centre has line to run north 8st deg, west, from the south-west magnet of mining lot No. 1 showe mentiosed, and numbering from lot No. 1 to No. 2 above mentiosed, and numbering from lot No. 1 to No. 2 apreciable to Borchester, the least of the reason in Borchester, and the elect of the pass in Borchester, and the south of the clock of the clock of the decrease the lot, separately, will be OFFERED FOR SALE, AT PUBLIC AUCTION, at this office, on Monday, the 5th day of July seet.

The RIGHT FOR MINING on each lot, separately, will be OFFERED FOR SALE, AT PUBLIC AUCTION, at this office, which may be made by his Excellency the Lieutenant-Sovernor in council before the day of sale, of which amendment or addition the reverse the given in the Rayal disaster.

The expense of surveying or marking the base line will be proportionally divided immediately after the sale, between the lots which may be mid; so the purchase s

year, to the receiver general, or an agent for that purpose to be appointed by the Government.

3. That two years be given to each purchaser, from the day of sale, to explore and select his mining ground, within the lot purchased by him, which ground no to be selected in two case to exceed three miles square. But no mining operations are to be commenced or prosecuted until the lease be taken out.

4. That the purchaser of each lot, after having explored and selected his ground, shall cause a survey and plan thereof to be made by some duly authorized department of the province, and diag in the office of the surveyor general; and that after such plan shall have been Youfirmed at the said office, a lease of the minor comprised therein shall be forthwith made out in accordance therewish.

5. That after the said icase is executed and delivered, the leases shall be allowed to work the said mines for three years, free of any rent or charge.

6. That if the lease shall not have actually commenced mining within two years after the date of the lease, the same shall be forfeited.

7. That if the rente he helithed or unpublifies the space of thirty days after the small become due, the lease shall be forfeited.

8. That the lease contain a classe of renewal, and that the Government may take the improvements at a valuation, to be made by arbitrators multasily chosen by the surveyor general for the time being, and by the lease on the assigns.

9. That in no case shall a lease be executed for more than three miles square.

10. That if the lease on his assigns shall neglect to work the mines within his lease for any one year during the continuance thereof, the said lease shall be forfeited, and evert to the Crown.

NOTICE TO THE COMMUNERS OF The C. A O O STERIE.

NOTICE TO THE CONSUMERS OF (A OO STEEL MESSRS. JOS. SYKES and SONS, the Sole Contractors for and only importers of, these descriptions of STREL IRON, being determined to adopt every practicable expedient to protect the fair trader in and consumer of these several marks. HERREY GIVE THIS PUBLIC NOTICE, that, from the SIM March, ichh, no iron of the above marks has been, or will be, delivered by them, without the additional mark of [8 YKES] being impressed thereon; such last mentioned mark having been adopted by Messrs. Jos. Sykes and sions for the further protection of themselves and the public, and all persons who shall impress such mark upon any bar-iron, either with or without the additional mark [8 YKES] will be proceeded against.—field, May 11.

SAFETY ROTATION RAILWAY COMPANY.

Cuthbert Rippon, Esq. M.P.
Thomas Kelly, Esq. Aid.
Joseph Thompson, Esq.
Francis Nizon, Esq.
William

William B. Roswey, Ros.

G. F. Mintres, Kee.

Brakers - Messers, Laddenke, Kingscorte, and Cu.
The abovernamed company has been farmed with a view to introduce direction a projected improvement in the construction of railways, from modification a projected improvement in the construction of railways, from modification appropriate brackle broadless with the derived by the darge. It may nonflow briefly to stake, that the proscinces advantages greatly systems which then are principles offers are so increased advantages are laidy on frequently conserved, onesided will be derived by the ser increased constitut and security, at diminished raice. And 2. A considerable satisfaction of increased constitut and security, at diminished raice. And 2. A considerable satisfact of the meson of which will simust experience the meson of the cent of security and appropriate the meson of the cent of some of similaries or constructed in less time and at two-thirds of the cent of some of similaries or some of the control of the cent of the cent of cent of the cent of control of the cent of the profession of the cent of the promotions of an enterprise of great mathemat interesting the centure to the first textual centure, a railway only of centification of the centure of the centu

A NDREW SMITH'S PATENT WIRE ROPES, for standing

LAW INTELLIGENCE.

INFRINGEMENT OF PATENT FOR THE USE OF HOT-BLAST. NEILBON AND OTHERS P. HARPORD AND OTHERS.

he great importance attached to the recent trial for an alwayd infringement of Nelson's patent, for the application of the hot-bleat to furnaces (the recents of it were briefly stated in dar Journal of the ich intal.). Induces us to give the wing obtained report of the proceedings, for the particulars of which we are sly indebted to the Brilish Queen, and to our able contemporary, the Inventors'

Manual instances, where the plaintiffs' patents, which was dated the 11th of September, 1928, for the improved application of six to produce heat in fires, forges, and furnares, where believes or other blowing apparatus are used. The plaintiffs reside in Giasgow, and the defendants (who were merely sominal defendants, having been put forward by the iron masters agenerally for the purpose of trying the question) are the proprietors of extensive iron works in Wales. The trial created great laterest among the iron masters, as it involves the question whether they are at liberty to apoly the hot-blast for which Mr. Neilson's patent was taken out. Sir William Foliett and Mr. Fitzroy Kelly were retained for the plaintiffs; and the Attorney General, Sir F. Pollock, and Mr. Richards, for the defendants. The first and second days were occupied entirely in hearing the opening statement of courses, and in examining winesses, many of whom are distinguished for their adentification attainments. The defence consisted of a series of objections to the terms of the specification, that the invention was not new, and, that, as described in the specification, it was not of public benefit.

was not new, and, that, as described in the specification, it was not of public benefit.

Sir W. Forleyt, in opening the plaintiffs' case, said he could not conceive what could be the line of defence the opposite party intended to take, as a more evident and barefaced invasion of a legal right could scarcely be conceived. This was no ordinary case, for Mr. Neilson's invention was, perhaps, the most valuable that ever was introduced; to fact, it was conceive possible to exaggerate its usefulacea, which he was prepared to prove by the evidence of the most scientific men in the kingdom, and that of several from inserter connected with the manufacture of iron for many years. Mr. Neilson having obtained his patent as far back as 1928, was naturally desirons of maintaining his right for the short space to run, knowing that to smelt iron beneficially, all persons embarked in the busiesse should obtain its connection in the description of the defendants. The learned connect then entered into a lengthened description of the defendants. The learned connect then entered into a lengthened description of the defendants. The learned connect then entered into a lengthened description of the defendants. The learned connect then entered into a lengthened description of the defendants. The learned connect then entered into a lengthened description of the defendants mode of applying the hot-blast to that of the plaintiffs'; and he contended, that such an application was a decided infringement of the patent.

line similarity of the incontended, that such an application was a decided iningement of the patent.

The first witness called was Mr. Russell, a Fellow of the Royal Society of
diaburgh and Vice-President of the Society of Arts. He said he had been
my acquainted with the process of smelting iron previous and subsequent
a the introduction of the hot-blast, and he expressed a decided opinion of
the beneficial effects, and his firm conviction that no such method had been
a use previous to the invention claimed by the patenter. He had visited
everal iron works where the principle of the hot-blast had been in use, almorph not in precisely the same method of heating the sir, which, in his
adination, by no means disturbed the inventor's claim to originality. A
mightened examination took place respecting the several issues set forth in
he plea, which went to prove that the objections to the spreidention were
towardness, as in his opinion the invention was new, and was of great gestrat benefit, and that a mechanic of ordinary skill would be able to contruct from it a machine or vessel for heating air to be conveyed into the furmes for smelting iron.

ingliance camination took place respecting the several issues wet forth in the pies, which went to prove that the objections to the spreidication were groundless, as in his opinion the invention was new, and was of great general benefit, and that a mechanic of ordinary skill would be able to construct from it a machine or vessel for brating air to be conveyed into the farmage for semiling iron.

Mr. Penrice, a proprietor of Low Mulr Iron Works, who has had forty years' practical experience in the smelting of iron, Mr. Parcy, Professor Daniel, Mr. Kirkham, and Mr. J. T. Cooper, were subsequently examined and cross-camined at great length. The substance of their evidence construed that of the first witness, though they differed in opinion whether the description in the apecification was such as to camble an ordinary ancebanic be monatruct an available apparatus for the application of the hot-bloot.

On Thursday successing the Aryonawa is a such as to camble an ordinary mechanic be monatruct an available apparatus for the application of the hot-bloot.

On Thursday successing the Aryonawa is a successive of the contract of the first witness, though they are also that the various scientific and principal men who had been examined on the trial were of different opinious at the two properties of the successive o modelling this be labely to adopt an appearance like that invented by the plantific." Now, absorbing this to be the first, for a sequence take, it did come activately within the sale of the one-activates which could be a similar to the plantific to be the first, for a sequence that was undulated by last, fill may deed or specification which could plant the plantific trains and experimental was undulated by last. It was clear, therefore, that if not y deed or specific trains in the policies, which are clear that the plantific by the fill trains the policies. We see that a hand committee of the plantific by the invention, on a hand committee of the plantific by the invention of the policies. We were two, as had force middle for the plantific by the invention of the policies. We had been seen of appearance of the control of the plantific by the invention of the policies. We had been seen of appearance of the control of the plantific by the invention of the plantific by the force middle force of the invention of the policies. We had been seen of appearance of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the force of the control of the plantific by the plantific by the force of the control of the plantific by the force of the control of the plantific by the plantific by

show aproblems to the winners out, convers no winners and a showed stated is processed under Speriments and Mr. Conge, the saturation of the special stated in processes that there was not appealed membrate in the special state. It is was appealed the Speriment of the special state of the special state

Baron Fanza said, nothing could be plainer than the inthe specification stated that the form and size than the inthe specification stated that the form and size than the inthe specification stated that the form and size of the wethe effect to be produced, and the jury returned a wedget material. For his own part, be had no doubt that the inscere, when be filed his specification, of the materiality of the vessel. He had stambled on a thing which turned out.

The jury next found that Mr. Nellson was the first and to ing for the plaintiffs on the four principal issues, which establishing his right to the patent, but finding for the deof the learned jodge, on the point iregarding the variance leave to the plaintiffs' counsel to move the court above to for the plaintiff.

GREAT WESTERN RAILWAY COMPANY.

GREAT WESTERN RAILWAY COMPANY.

COURT OF COMMON PLEAS—MAY 18.

PARKS 9. THE COMPANY.—In this case Mr. Serjeant Ludlow and Mr.

Gurney appeared f r the plaintiff, and Mr. Platt and Mr. Whateley represented the defendants. It appeared that the plaintiff, who had been employed by the Great Western Railway Company to execute part of the works along the line of the railway, had entered into a contract with them prior to the sth of July last year, for the excavation and preparation of bullast for the surface of the railway, which he was to dig from the quarry at Hardwell, near Compton, in the Shrivenham district, and convey it thence to the place where it was to be stacked, a distance of about two miles. The chalkstone which was furnished in pursuance of this contract not being exactly suited to the purpose for which it was intended, the company made another contract with the plaintiff on the 8th of July, according to the terms of which he was to be paid 3s. 9d. instead of 3s. 5d. per yard for the ballast, he providing 800 yards of ballast per week, and screening the bullast to the satisfaction of the engineer. The defence was, that the ballast was not screened properly.—The jury, however, found a verdict for the plaintiff for the full amount claimed—viz., 67l. 18s.

SPECIFICATIONS OF RECENT PATENTS.

SPECIFICATIONS OF RECENT PATENTS.

[From the Inventors' Advanced.]

Richard Farger Emmerson, geot., 38, Manor-place, Walworth, Surrey, for improvements in applying a coating to the surfaces of iron pipes and tubes, May 3.—This invention relates to the coating of the surfaces of iron and cast-fron tubes with tin, or an alloy of tin.

The surfaces of the tube to be coated are first cleansed by immersing them in suitable pickling liquor, composed of two parts of muristic seid to three-parts of clear water, allowing the tubes to remain in it till the scale consecution of the security of the surfaces of the tubes being thus cleansed, they are in a condition to undergo the next process, which consists in immersing them in a bath composed of muriatic acid and zine of spelter, in the proportion of three ounces of sine to each pint of muriatic acid; the tubes remain in this bath only as long as will ensure its acting on them both inside and out. The tubes are next to have a quantity of powdered resin placed within them, and dusted over their external surfaces, so as to cover both surfaces as completely as possible. The tubes are now passed into a vessel containing tin, or an alloy of tin, in a melted state, conducting the tubes end forwards through the melted metal, so as to obtain a current of the netal through them, by which means the tubes so treated will be coated with tin, or its alloy. The surfaces of the tubes are wiped with tow, on being removed from the melted tin.—Claim.—The coating of the surfaces of iron and cast-iron tubes with tin, or an alloy of tin.

and cast-iron tubes with tin, or an anoy or tin.

Andrew Kurtz, manufacturing chemist, Liverpool, for a certain improvement or certain improvements in the construction of furnaces, May 5.—The object of these improvements in furnaces is to consume the smoke, and thereby economise the fuel.—Claim.—The peculiar positions of the fire-bars, particularly their rising obliquely from the fire-door towards the bridge of the furnace, tagether with the hollow bearers underneath them, by which the heated air is distributed through the various air-passages in the furnace, and is caused to impinge upon the smoke over the fire-bed in an unlimited number of currents, passing through suitable apertures constructed in the furnace or fire-place in front of the bridge; and also the air-passage formed in the bridge behind the fire-bed, in furnaces constructed for marine purposes, or in such situations where a sufficient quantity of heated air cannot be introduced over the fire-bed.

such situations where a sufficient quantity of heated air cannot be introduced over the fire bed.

The grate or fire-place of the furnace consists of three distinct sets of fire-bars, joined together so as to form the grate; the first set inclines obliquely downwards from the entrance or fire-door towards the bridge of the furnace; the second set is perfectly horizontal; and the third set inclines obliquely upwards from thence towards the bridge—thus forming a hollow fire-bed or grate, having a sufficient depth in the middle for the ordinary heating purposes of the furnace.

The fire-bars are supported by transverse hollow iron bearers, which have a slot in their undersides open to the ash-pit, and are connected at each end to air-passages in the walls of the furnace, that terminate in suitable apertures above the fire-bed in front of the bridge. The air from the ash-pit enters the hollow bearers through the slots, and, becoming heated, rushes through the air-passages and apertures before mentioned into the furnace, when it impinges upon the smoke, and effects its combustion.

In those situations where a sufficient quantity of heated air cannot be introduced over the fire-bed, an air-passage is formed in the bridge, across its whole width, communicating with the hollow bearers, by which means an additional quantity of heated airs obtained to act upon the smoke.

APPLICATION OF ELECTRO-MAGNETISM TO MACHINERY.

Lettraic, April 17.—The meeting of our Polytechnic Society was readered peculiarly interesting by a lecture given by Herr Störer, on his experiments in the application of electro-magnetism as a motive power. Herr Störer commenced his experiments several years ago, before Wagner's invention, and has proceeded independent of it. By merely following up and carrying out the ideas of Jacobi, to whom the first merit of the discovery is due, he has succeeded in constructing a small machine, the power of which is as yet limited to the raising of only a moderate weight, and putting a turning-lathe in motion, but which is nevertheless sufficient to render perfectly evident the whole mechanism of the important investion, and which, as the constructor observed, needs only to be enlarged to produce more practical effects. The principle of electro-galvanic movement has its source, as is well known, in the law of reciprocal attraction and repulsion of two iron bars, surrounded by a galvanic current, alternating with positive and negative electricity, and thereby magnetised. Herr Storer's suchine consists at present of only two concentric circles of spiral iron bars, surrounded by conducting wires for the reception of the electric current. Each circle contains twolve single bars, placed at the distance of from two and a half to three inches from each other, the bars of the outer circle being about half an insuperitant surface and produced in both circles, and thereby electricity of the like name forms the periphery of a movembre disc, swinging wheel, or plaion. This mechanism is brought into connection by two conducting apparatus, the current is changed, and thereby electricity of the like name to produce in both circles. The consequence of flat operation is, that the disposite bars, in consequence of the different magnetic power communicated to them, first attract each other, then instantly becoming, by the inversion of their poirs, similar magnetis with equal force, repel each APPLICATION OF ELECTRO-MAGNETISM TO MACHINERY.

MINING CORRESPOND

FOREIGN MINES.

FOREIGN MINES.

March 6.—Revillary's Level, morth of Las Anissas Wenze.—This level has been driven 53½ varas north of the winze, for the purpose of exploring the voin about mid-way between the levels of Esperanza and Santo Tomas, we in the foreign old workings were seen extending below, which were reported to have been producing good azogue ores at the time that they were abandoned, but the Santo Tomas level, which has since been driven by the company from Consjera to Cocina, on the same part of the vein, and found poor, proved that the ore did not extend in depth to that level. In the progress of Revelbas's level ore ground, of about thirty varas extent, has been passed through, and produce from the driving 900 egs. S ars. The ventilation has for some time past been bad, and prevented our putting barreteros to work on carga; list, during the present week, a communication has been made to Cocina shaft plat, by means of a winze stink below, at fifty-three varas north of Las Anismas, and a free circulation of sir produced, which will enable us to open two or three new inhores. The see from this place is chiefly anogue, containing from 12 cs. to 2 mcs. per carga.

San José Shaft.—It need acareely be said, that the continuation of this work has for its object the draining of the deeper workings, and enabling us to explore and examine the vein at greater depths as the sinking proceeds. The bottom cross-cut, which is about 240 varas from the surface, has not yet cut through the whole body of the vein, and the richness or poverty of the lose cannot be ascertained until this is effected: If it be found rich, the sinking of the shaft would, of course, be absolutely necessary, to continue the extraction below—and if pour, it is an important and desirable work, as affording the only means of examining the vein at a satisfactory depth below, and ascertaining if a favourable change may have taken piace; and it may be here remarked, that the bunchy nature of the vein renders this not by any means an improbable circumstance;

reached a depth little short of the latter; and as if is also poor, we emmore expect to find the vein very productive at this point, but in the progress south we may expect an improvement, as the vein in the bottom of San Antonion and Santa Barbara winces is large, and contains ore, averaging from a half to three quarters war wide.

Taylor's Level, north of San Jase Cross-cut, and nearly the whole distance has been on an usproductive vein, although occasionally presenting promising appearances; the last twenty, five varas have shown a slight improvement, having produced twenty-three cargus of ore. In the Santo Tomas level, between Conejera and Cocion shafts, there are one or two points where a little ore was discovered, during the progress of that work, in the bottom of the level, but is such small quantities, that it cannot be profitally worked; if, however, the driving of the level (Taylor's) be continued, it will soon become necessary to commence a winze below Santo Tomas, for the purpose of affording ventilation, as the end is already very hot and close.

Taylor's Level, south of San Nicolas,—This level, from San Nicolas winze, has been driven entirely on the Jabonellia, or upper part of the vein, leaving the main body untouched against the footwall. One reason for driving on the Jabonellia was to accelerate the progress of the work, which would otherwise have been very tedious and expensive, from the excessive hardwards of San Nicolas winze, it is cross-cut has already been driven about two and a half varas, preducing three and a half varas, of ore—howing that thus far the vein has been rather unproductive; it is, however, at this place, upwards of six varas wide, and we know that the purt on the footwall, which has yet to be explored, has been in the upper workings the most productive. San Mignel Winze,—This winze has now reached enerly thirty-one varan below Taylor's level, which is suak on the footwall of the vein. It was a first commenced for the purpose of raising over, and the already over, has been

the water, and thus put these labores in a favourable state for carrying on the works.

Sun Redrige Winze is sinking below the San Martin level, on the frotwall of the vain, and has produced in the sine varus which it extends below that level, 697 cargas of cress. The bottom of the winze is all present not so productive, although the one is still about one and a quarter varu wise, but more mixed with blends and tepetate.

In Santa Prisca Waze is situate nearly opposite San Rodrigo winze, on the upper part of the vein, which at the commencement presented very promising appearances, and produced about coventy-four cargas of ore in less than six varus, but at that depth it became poor, and the winking has been suspended. Son Diego Shoft.—We have not yet been able to consistence the sinking of this shaft below San Tomas level, owing to reveral parts above requiring repairs; these are, however, nearly enacheded, and in the source of eight or ten days we chall, I expect, be ready to go on with the sinking. The shaft requires to be sousk about four waras perpendicular to nomunicate with Goteras winze, after which we propose to contains the shaft on the underlie in the direction of the winze.

Goterus Winze is now twenty-five and a half varus below Santo Tomas level, and the twenty-three varus suck by the company have produced 543 cargas of ore, which has unificantly contained a good by, varying from three tangeness of ore, which has unificantly contained a good by, varying from three to five marce per carga—and within the last two or three mouths the win has somewhat improved. A new level, called the Artestones, was, therefore, commenced driving nouth of the winze, which, up to the end of last mouth, has been extended?—In varus, and produced 313 cgs. 3 are, of good arrayme and in this issue of the winder, weak, and the southern end of the winze, which, up to the end of last mouth, has been extended or in materially lacressing the quantity of ore raised, which as present does not exceed in materially lacressing the qua

east of cross-cut south, seventy varas cost of Bolores shaft, at the milt level on a vrin that underlies sorth, in hopes of cetting the Santa Brigibla vein y the ground is frequently to devise; the veil to chiefly faccan and quartz, with spots of mandle. We have resumed in the past week the driving the side shift was the work the work of the driving the side shift was the work the work for the control of the santa state of Bolores cross-cut, thirty warss west of Santa Teresa which the level cast of Dolores cross-cut, thirty warss west of Santa Teresa shaft, which I hope will be done in two meaths. We have only two mes employed in cach and. At Terreros the sumpanes have been employed from the past week is patting in bearers, citizers, and an a-sinch plunger-lift, at the Expersanza, or 118 wars level, to force the stream of water coming from the level west to Santa Cayana shaft, which is the Expersance is cell, from Terreros shaft, and the water to add, the water to add the water from the Expersance have the santa for the water from the Expersance have and the consequence of the bursting of the water from the Expersance have and the water going to Santa Teresa shaft, and from these heave put to the santa for the santa from the santa for the water going to Santa forces cannot be santa force water. I santa force the water going to Santa forces on the santa force of the water from the Expersance have and the water going to Santa forces on the santa force of the water going to Santa forces on the santa force of the water going to Santa forces of the santa forces where the santa forces water and the water going to santa forces where the santa forces water and the santa forces water and the water to santa forces

ENGLISH MINES.

ENGLISH MINES.

HOLMBURH MINING COMPANY.

May 17.—I beg leave to inform you, that, in driving the 110 fathom level south, the ground is very hard. In the 100 fathom level west the lode is still a rich course of ore, eighteen inches wide, and worth about 351 per fathom. The lode in the stopes, in the back of this level, is slatesum inches wide, and worth about 122, per fathom. The rise in the back of the eighty fathom level being still in the heree cross-course, the ground continues bard, and progress at present slow. In driving this level cast, the lode continues about two feet wide, chiefly composed of moundic, spar, and capel. The lode in the weatern stopes, in back of the eighty fathom level, six sixteen inches wide, and worth 261, per fathom. The lode in the western stopes, in back of ditto, is still about eighteen inches wide, and worth 361, per fathom. In the seventy fathom level eastern stopes the lode is fifteen inches wide, and worth 361, per fathom. The lode in the western stopes, in back of ditto, is one foot wide, and worth 171, per fathom. The Plap-jack lode, in the seventy fathom level, cast of Wall's shaft, has been driven into about three feet, but we are not as yet through it; the lode is apparently very large, and composed chiefly of mundie, spar, and capel, internalized with a skall proportion of copper ove. The cross-cut to Hitchins' shaft, at the skall, are the sixty fathom level, and rise in back of ditto, against Bray's shaft, are the sixty fathom level, and of ditto, against Bray's shaft, are the sixty fathom level, and rise in back of ditto, against Bray's shaft, are the sixty fathom level, not of ditto, against Bray's shaft, are the sixty fathom level, and of ditto, against Bray's shaft, are the sixty fathom level, cant of ditto, against Bray's shaft, are the sixty fathom level, one of ditto, against Bray's shaft, are the sixty fathom level, one of ditto, against Bray's shaft, are the sixty fathom level.

able.

TARYOL MINING COMPANY.

May 17.—The lode in the engine-shaft is about two and a helf feet wide, producing ore in good ground—very kindly. The lode in the furly fathom level, west of engine-shaft, is ten inches wide, tribute ground. The lode in the furly fathom level, east of engine-shaft, is stran inches wide, tribute ground. The lode in the rise, in the back of this level, is ten inches wide, tribute ground. The lode in the thirty fathom level, east of Williams's whaft, is abre inches wide, tribute ground. The lode in the rise, in the head of this level, is fifteen inches wide, good tribute ground. The lode in the rise, in the head of the twenty fathom level, east of Williams's shaft, is six inches wide, good tribute ground. The sont of Williams's shaft, is six inches wide, good tribute ground. We have campied to-day 303 tons of ore.

BERMEDON CONNOLIDATED MINING COMPANY.

May 15.—The Righty Fathom Level East—Lode two for branch of ore on south side four inches wide. Sixty Fathom Level fitteen inches wide, stropes in Bottom of Sixty Fathom Level fitteen inches wide, producing one ton and a half of ore per fair Bottom of Fifty Fathom Level East—Lode eight inches wore. Fifty Fathom Level East—Lode six inches wide, good or at Forty Fathom Level East—Much the same as last week, are working well.

are working well.

C. H. RICHARDS

The seventy, cost from Christoe, continues three to four f
wide, and worth 20i, per fathom; the are is of better quality, and more f
from jack than we have seen it in the levels above. We have not yet;
the lode in driving this level west. The sinsty fathom level is looking w
the lode four feet wide, worth 5i, to 10i, per fathom. The fifty west is we
5i, per fathom, and this level cast is looking better, the hole being worth
per fathom. In Good Fortune shaft the hole has not been broken si
survey day. The thirty-four fathom level is poor, but the twenty is great
improved, being three feet wide, with a leader of one worth 6i, per fathom.

W. SINDOER.

W. SINCOCR.

W. SINCOCR.

May 17.—I heg to exquaint you that our mine is, on the whole, looking favourable. The nisety-five fathom level is particularly good; the tode her is large, and producing rich work—the other levels are much the same I stated in the report of hat week. In the tribute department there are sever pitches somewhat improved since the beginning of the mouth; those works at the 103, 93, and 43 fathom levels, are looking well, and the men are like to be well paid for their labour, and we have no doubt but we shall have tolerably good sampling, though we cannot at present say the quantity.

Mann James,

Many James J

that, for the present, as it is down to water. Other places reported.

UNIVED SILLS MINING COMPANY.

May 18.—Asilt End East—In this end the lode in 2st. 6 in. wide, with stones of ore. Asilt End West—Lode two feet wide, preducing a small quantity of ore. Ten Fathom Level—Lode two feet six inches wide, chiefly mundle. Twenty Fathom level—There has been nothing done for the part week, the men have been employed in sloking the eastern shaft, which we hope to communicate to the firty fathom level in the course of a week or ten days. Thirty Fathom Level—Lode 2 st. 6 in. wide—one foot on the north part good ore. Farty Fathom Level—Lode 3 st. 6 in. wide—one foot on the north part good ore. Farty Fathom Level—Lode 3 st. 6 in. wide—one foot on the north part good ore. Farty Fathom Level—Lode 3 st. 6 in. wide—one foot on the step of the lode is two feet wide, producing some ore, but coarse in quality. Western end, lode three feet wide, over throughout, of fair quality. Sixty Fathom Level—Western end, lode three feet wide, producing some ore of a kindly appearance. Eastern end, lode three feet wide, producing some ore of a kindly appearance. Eastern end, lode three feet wide, wide—two feet on the south part producing good ore, but much intersected with mundle. Williams's Shaft—No lode broken in this chaft for the past week.

C. Pennoss.

WEST WHEAL JEWEL MINING ASSOCIATION.

May 17.—The ground in Buckingham's engine-shaft is a little more fisroundle than last reported. The dity-seven cost, on Wiseal Jewel lode, will
produce two to three tons per fathom, worth 10£ per ram. In the fity-seven
east, on the south branch, the lode is fifteen inches wide, more spar in the
lode than last reported, worth 1½ per fathom. In the forty-two futhom level
we have stu Wheal Jewel lode on the eastern side of the little cross-course,
and find it eighteen inches wide, containing good stones of ore. The Thirty
West, on Wheal Jewel Lode fifteen inches wide, containing good
stones of yellow ore. The twelve west, on this lode, is worth 16, per fathom,
and the rise in the back of the adit continues worth 20£ per fathom.

S. LEAN.

MINING NOTICES.

Unwastron face Mines... The Plumpton Iron Ore Company has us pump with their steam-engine, which they have lately put The old company of Harrison, Ainelle, and Cu., are siampreparing for a steam-engine at their works. We shall soon have fine regions at where we had not one a few years ago... Muncheller Guardian.

MINE ACCIDENTS.

MINE ACCIDENTS.

Character Quarry, Crossess.—On the 5th inst., whilst a man named M
thew Rodds, was at work in a quarry, at Corwince, is the parish of Corw
a quantity of stones foll upon and buried him; an time was lost in clear
the ruthfish, but the pace fillow was so dreadfully injured, that he next
but four hours after the actident.

William Pil, Whitchera...—On Thursday last, a young man, named J.
Campin, instable life in William Pit, by the failing in of a part of the roof.

Afferton, Derhyshire...—As Henry fieldy was descending an issuantone; in Green-kill-later, near Affreton, a but fell from the mouth of the pit is
liced, and killed blin.

such that dryn.

In the start, however, nearly monthed, and is the communication with Grant of the control of the start of

ROSE-DOWN MINING COMPANY.— Notice is hereby gives, that the directors have made a further CALL of FIVE SHILLINGS to these, weathle on the test the 24th day of June next, to Messra. Bosanquet.

MEETINGS OF SCIENTIFIC BODIES.

IN THE ENSUING WEL		
SOCIETY. PLACE OF MEETING.	BAY.	MOTE.
Royal Geographical 21, Regent-street	Monday	9 P.M.
Royal Medical and Chir. &3, Berners-street	Tuesday	64 P. M.
Linness Soho-square	Tuesday	B P.M.
Civil Engineers 25, Great George street	Tuesday	8 F. M.
Zoological 28, Leicester aquare	Tuesday	84 F. M.
Boyal Botanteal 40, Pall mall	Tuesday	8 P.M.
Society of Arts Adelphi	Wednesday	74 P.M.
Borsi Somerset House	Thursday	84 F. M.
Antiquaries Somerset House	Thursday	8 P.M.
Bi. Society of Literature St. Martin's-place	Thursday	4
Royal Institution Albemarie street		

PUBLIC COMPANIES.

Mr. di ni
Wheal Leeds Mining Company Office, 11, Great St. Helen's May 25 12.
Bio Poce Company 19. Bishopagate street within 25 17.
Bable Steam Maylgution Company George and Vulture Tavern 27 12-1.
South Eastern Bailway London Tavern 27 1
Peninsular and Oriental Steam 51, St. Mary-axe
Equitable Gas.light Company 21, John street, Adelphi 27 12.
Mt. John dei Rey Mining Association 8, Tokenhouse-yard
Bolanca Mining Association John street, Adelphi 28 1.
Porth Cawl fron and Coal Company . 44, Finebury square
Deal Pier Company London Tavera 29 2.
Tregelian Mining Company 6, St. Mildred's court 29 1.
Rest Tretoli Mining Company 6, St. Mildred's-court 31 1.
New Zealand Company New Zealand-house 31 2.
Hungarford Market Company Office, Villiers street, Strand \$1 1.
Bent of British North America 7, St. Helen's place June 1 12-1.
Clarence Railway and Dock CompanyTown Hall, Stockton 1 1 1 1 1 1
Regent's Canal Company Citr-road Basin 2 2.
United Hills Mine Company Office 2 2 1.
Thomes and Medway Canal 114, Union et., Old Broad street 2 2.
Waterloo Stridge Company Crown and Anchor Tavern 8 12.
Hammersmith Bridge Company Crown and Anchor Tavern
British Plate Glass Company Albion place, Blackfriars 3 11.
Lincolly Railway and Dock Company London Tavern 7 124.
Mexican and South American Co 9, New Broad street 9 1.
Grand Junction Water, works Brook street, Grosvenor square 16 17.
Durham County Coal Company Offices, Stockton
Columbias Mining Association Office, Au-tinfriars 17 2
New Granada Mining Association Office, Austinfriars
CALLS.
Rio de Anori Gold. stream Works 10s May 22 Stone, Martin, and Co.
Bastanne and Gaujac Bitumen Co. 10s 25 Union Bank of London.

NOTICES TO CORRESPONDENTS

We were unable to get the section accompanying Mr. Liewellin's paper engra-in time for our present Number-it shall appear next week. Notw ithstanding that we have given an extra sheet, we are compelled to postpo the insertion of several papers.

mication, on the Duty of Steam Engines, has been received s letter of "C. S. R." received, which shall have immediate attention. One on the parties named, "H. B.," is now in London, and the business shall be facilit. The letter of "C. S. R." received, which London, and the business soar we the parties named, "H. B.," is now in London, and the business soar we taked.

"J. C. R." shall be attended to the first opportunity which presents itself. We have not well received the spinion on the case submitted to "K. A. T. E."

Madoe," "Hamm," and "the Vale," shall receive early acknowledgments of their favours, with explanations of delay in not earlier complying with their wishes.

THE MINING JOURNAL. Mailway and Commercial Gaiette.

LONDON, MAY 22, 1841.

The letter of a Correspondent, on the proceedings of the Cam brian Iron and Spelter Company, requires more than a passing remark, the resolution lately arrived at (the object of which was the extension of the capital of the company) having increased the liability of the shareholder from 25L to 35L per share, or, rather, the whole of the capital having been paid up, in accordance with the prospectus of the company, he is then called upon to subscribe 40 per cent. in addition thereto, while he is threatened with legal measures being resorted to for the recovery of the increased capital, or that his shares will be subjected to forfeiture. Thus a shareholder (placing faith in the representations of the directors), holding 100 shares, on which he has paid 2500%, is told, that if he is not willing to advance 1000/. more, the capital he has already embarked is sacrificed or his ruin may be completed by enforcing the payment. We know not what may be the powers vested in the directors by the Deed of Settlement, but it must be admitted that the prospectus, in the absence of a deed (and the prospec tue is always first issued), is the basis of the partnership; and although it may be said that a Deed of Settlement will be prepared, to be executed by the shareholders, yet such deed ought to be consonant with the terms of the prospectus. That such is not the case in the present instance, is apparent from the letter of our Correspondent, and the resolutions arrived at by the directors confirmed, as they are, by a meeting of some seven or eight individuals, of whom four would form a majority, with the vote of the chairman. It is not, if even nine-tenths should subscribe to a resolution, that it should become a law, and binding on the remaining tenth. It is first necessary to see how far the resolution is in rdance with the clauses of the Deed of Settlement and equitable principles, and, in the present instance, we must say, that how ever the legal enactments of the one may have been consulted, the interests of the proprietors have been sacrificed. We are perfectly aware that, in cases of Joint-Stock Companies, whether for work ing minos, the making of iron, or constructing railroads, the opinions intertained by the projectors, in most instances, prove to have been too sanguine, and hence the necessity of increasing the e majority, if not all the cases under our notice, with the exception of the Cambrian Iron and Spelter Company, the British Iron Company, and the National Loan Fund Insurance Company, it has never been attempted to increase the liability of the shareholder, or subject his shares to forfeiture after having fulfilled his contract—that of full payment of the calls made on his shares, to the extent of the capital of the spany, as originally proposed.

In the case of the British Iron Company we believe that the shares were originally of 100% each, and, by a resolution of the proprietors, cod to Std., and since again increased; this involves a local m, into which we are not prepared to enter. The course which has been almost invariably pursued, to that of raising additional capital, by a further tosue of shares, in many instances at a reduced rate-for instance, in Real del Monte, the shares were issued at 104, ranking of equal value with those on which soot.

had been paid, or in the Bolanos lately noticed in our columns; but in all such cases, the shares so created are first tendered to the hareholders in proportion to their respective interests in the un dertaking. Now, assuming that the entire body possess the means and inclination to advance the further funds necessary, it is merely an additional subscription to the monies already embarked, while in other cases, where there is an inability on the part of the shareholder to subscribe his quota, his responsibility is not increasedhis shares are not subjected to forfeiture—his interest being simply diminished, in proportion to the number of shares, at a reduced cost, which may have been allocated to him, but which, from his inability to avail himself of, consequently pass into other hands.

We think, with reference to this particular company, that it behoves some of the principal shareholders to institute an inquiry into the outlay which has already taken place, and, as they are spelter makers, to ascertain the state of the spelter works, the weekly make, and consult the prices of metals. The expenditure has been profuse in some departments, and in others money has been wanting-the omnibus of the directors-the arrangements made for their accommodation-the views entertained in the erection of the iron works, which, we must admit, are well executed (although costly) by Mr. BRUNTON, the company's engineer-who we do not blame for doing his work well, but the directors for their extravagant notions and expenditure, with the neglect in other departments, render it only necessary on the part of the shareholders to pay a visit to the works, and inspect the accounts (if the latter can be arrived at), to satisfy themselves that neither economy nor prudent management has been the order of the day. We have observed, in another place, that a certain " London Joint-Stock Bank " are understood to be largely interested, either as partners, or for advances made - and the more the outlay on the part of the proprietary, of course the greater the security. We can state, as matter of fact, that one of the causes which contributed to the failure of Messrs. WRIGHT and Co. was their connection with the Oakwood Iron Works, near Neath; but we will not augur unfavourably from that fact. We may, however, state, for the information of the proprietors, that we have seen contracts for Scotch pig-iron, put on board, at 31, and Welsh bars at 61,-this does not afford much encouragement for the further investment of 100,000l. in an undertaking of the nature of that under notice.

We have been favoured with the report presented by Mr. MAT-THIAS DUNN at the late meeting of the Durham County Coal Company, and, as it contains some "damning" statements, both with reference to that company and the Northern Coal Mining Company, it requires some little time to give it an attentive perusal ere we present it to our readers, or offer any observation on ts contents. It appears to have been drawn up with much care and ability, and is well defined, comprehending, as it does, so many subjects, and those of an unpleasing nature to report upon which implicate the characters of individuals, but who, if we may believe the several communications received from correspondents (whose letters are omitted only on account of their names not being furnished in confidence), well deserve the e stigation and exposure to which they have been subjected. We purpose next week inserting the whole, or part, of the report-at least the important points treated upon-and, should not our space admit of the insertion of the report entire, shall continue it in the succeeding Number. should, undoubtedly, be in the hands of every member of the Northern Coal Mining Company, as well as those of the Durham County Coal Company, and, so anxious are we to do justice to all, and to afford information, that we pledge ourselves to transmit copies of the JOURNAL in which the report appears to the respective subscribers, if the directors will only instruct their Secretary to send us a list, that we may give instructions accordingly.

The meeting of the shareholders of the British Iron Company vas held on Thursday, and was numerously attended. A warm discussion having taken place with reference to the acts of the directors, and the meeting having been made special on the requisition of certain proprietors, whose main object appears to be the appointment of a committee of investigation, with the view of conidering the state of the affairs of the company, and determining on the course to be hereafter pursued. From the report presented by the directors, we learn that a final settlement has been made with Mr. ATTWOOD, by the further payment to that gentleman of 350,000/.- a sum which, at this moment, with the depressed state of the iron trade, appears to us enormous. However, it appears that no better arrangement could be made. This company has been most unfortunate-robbed, as we believe them to have been by improvident contracts in the onset, and in the hands of lawyers for the past fifteen years, little else, indeed, could be expected. The meeting was adjourned until the 10th June, when the objects for which it was specially convened will come under consideration

LANGUIN IRON AND COAL COMPANY.

The operations of this company (if prosecuted with energy) tending to have a considerable influence on the imports into France of coal and iron from this country, and the company being represented as having arrived at that point, by the development of their coal-field, which justifies them in considering the propriety of immediately erecting furnaces for the manufacture of ourselves of the infi interested in the undertaking, and more especially Mr. Nixon (the enginear or viewer), in making notes of the progress made and its present position. We observe, by official returns, that the quantity of English coal imported into France in the past twelve months was 394,954 tons, ue of which may be fairly assumed at upwards of 600,0004, and the exports from Bolgium to France, in 1838, are given at about 400,000,000 kilogrammes. The quantity of iron made in France, we find, ranges from 350,000 tons to 300,000 tons per annum, if which not more than one-sevent his made with roke-the latest return, we believe, made giving twenty two high furnaces in activity, which, with a weekly make of fifty tone each, would give about 50,000 tone annually-and the number of furnaces for the manufacture of iron with charcoal being 443, yielding a produce of about 300,000 tons annually. With reference to the concomption of coal, we find, from official documents, that, in the year 1838, the quantity of coal raised in France was 3,113,252 tons, and that imported 1,227,836 tons-making an aggregate of 4,340,282 tons. With

these data, and the statement embodied in the paper, on the Collieriand Iron Manufactures of Belgium, inserted in another column, it will at once seen the influence the development of the mineral resources our continental neighbours must necessarily have on this country—as bence our directing attention to this company, more particularly from the extent of its resources, as represented to us.

The property nonested by the company is situate on the hanks of the

bence our directing attention to this company, more particularly from
the extent of its resources, as represented to us.

The property possessed by the company is situate on the banks of the
Erdre, about twenty miles from Nantes, the concession or grant being
seven miles in length, on the range of the coal reiss, which here take a
nearly vertical declination, being 80 deg. The veins at present worked,
but only partially, are three in number, varying in thickness of from
twelve inches to sixty feet, which is the aggregate at the point of junction,
the veins having been worked through as one mass of coal in certain parta
of the old workings. The three measures, known as the north, central, and
south veins, may be said to be comprehended within a space of about
seventy yards, but, as already observed, in some places forming a junction. This coal is said to be the only coal known in the district of the
Loire Inferière adapted for the manufacture of iron, and yields 60 per
cent. of coke of superior quality. The north vein was formerly intersected at a depth of 415 feet, by a pit sunk by the old proprietors, where
the vein was found to be 3 ft. to 3 ft. 6 in., of excellent quality; the coal
was, however, never worked at this point, from want of mechanical power,
the coming water having so increased as to impede their progress, from the
circumstance of horses only being used for unwatering the pithy barrela.
This pit is now, however, being cleared of water by the introduction of
pumps, which has been effected to the depth of 200 feet, which are worked
by the application of flat-rods to a powerful engine, erected on another
part of the colliery, where a deep pit, for the "winning" of the three veins,
is being sunk. Another pit, called the "Road Pit," was also put down,
which took the three veins, forming a "bandle," and workings were
prosecuted on the range to the extent of 250 yards, but not to any depth
of consequence; the coal at this point, as, indeed, may be said to be the
case in other parts of the old workin was never ascertained beyond the size of the pit, 10 m. 3 m. 10 m., which was entirely in the coal. In this case, as in the former referred to, on cutting the coal a feeder of water was met with, which drowned out the workings; and the impracticability, with the power employed, of beating out the water, led to the discontinuance of further operations at this point; these two latter pits communicate with each other by levels or galleries, driven at the respective depths of 270 and 330 feet. About 800 yards to the north-west of Pit Emma another shaft is sunk to the depth of 320 feet, where the coal was cut by driving a short cross-cut, being found there to be about six feet thick. Want of power, or engineering ability, in like manner, in this case prevented the pit being sunk to a further depth, but which is now proposed to be done. Indeed, with reference to the three last-mentioned pits, active operations are being carried on for draining the old workings, and further sinking the pits, by communicating the one with the other at the lower depths. At about 130 yards further north-west, another pit has been sunk 300 feet; this pit intersected the three several measures, or veins, at a depth of 150 feet, where the thickness of the seams was forty-five feet, and has been worked to about eighty feet deeper than the point of intersection, but not to any great extent in length.

Again, further north-west 300 yards, a pit has been sunk by the present proprietors to the depth of 200 feet, at which depth another feeder was cut, which rendered it necessary to discontinue the working for a time, until extra power was obtained, by attaching flat-rods to the engine; the thickness of the vein was proved by a cross-cut from the shaft, at 170 feet depth, to be twelve feet in thickness, and which remains unworked until the pit-work is completed and the water drained. We have thus been minute in detailing the principal workings, to show the extent to which the colliery may be worked, provided it was unwatered, and that energetic me

an aggregate thickness of four or five feet, in others twenty to thirty, and in some instances of fifty to sixty feet.

The operations of the present company have hitherto been principally directed to the sinking of a main engine pit, and to the re-opening of the old pits, and applying machinery for unwatering them. The principal pit on which the large engine is erected, it is contemplated will afford all the facilities necessary for unwatering the greater part of the concession, and is at present sunk to the depth of 160 feet, its size (ten feet) being divided—the one part being employed for pumping, and the other part as a winding pit. At the depth of 100 feet from surface a cross-cut was driven to intersect the south vein, which proved to be of about three feet six inches, of very superior quality, and thus affording another point from which to raise coal, which cross-cut will be continued to take the central and north veins—the coal being unworked at this part of the colliery for several hundred yards in extent. The engine is described as being equal to 350 to 400-horse power, being the largest in France, and calculated to draw 300 fathoms, being upwards of four times the depth of the lowest present works—the pumps employed varying from six to twelve inches. There are also two other engines, of English manufacture, one 20-horse power and the other 40-horse power.

Having thus given an outline of what has been done, it is necessary to see what are the prospective operations of the company, of which we consider the following brief notice will be found to be correct. First, to take the collieries, it is, we understand, intended to continue sinking the engine-pit with full force—to drive cross-cut er galleries from thence to intended the several veins at certain distances—to prosecute the re-

consider the following brief notice will be found to be correct. First, to take the collicies, it is, we understand, intended to continue ainking the engine-pit with full force—to drive cross-cuts or galleries from thence to intersect the several veins at certain distances—to prosecute the resopening of the old pits with all dispatch—and to proceed with the extraction of coal from the several points of working already described, or which may be opened by galleries or otherwise. Ample engine power being on the apot, several pits being opened, and communications made with a large body of coal, the colliery may, in a great measure, now be said to be nearly "won," and hence its position (from the capability of raising, within three months from the present time, coal to the extent of 120 to 150 tons per week, and in the next twelve months of 250 to 360 tons weekly), of rendering it a question whether the proprieters shall, after the outlay incurred, at once proceed to the erection of iron works.

It was our intention of entering further into a consideration of the properiety of this course, but we regret that the data we possess on this point is not more minute. There can be no question, from the evidence put before us, that the company possess a vast concession or grant of coal district, which has been proved to contain coal of superior quality—the thickness of the seams, as already shown, being of a variable nature, and ironstone is also said to abound, and may be obtained at easy cost. The calculations submitted to us would show a large profit on the manufacture of iron, but it may be questionable whether it would not be the more

of iron, but it may be questionable whether it would not be the more prudent course, during the next six months, to devote more particular attention to obtaining a stock of coal at "bank;" and, further, a quantity of ironatone being acquired in the meantime that the works are in course of erection. We must, however, defer offering any decided ominion on ion. We must, however, defer offering any decided opinion on int until we are in possession of further data, and, in the interior, direct attention to the paper siluded to as regards the collieries

this point unto we would direct attention to the paper airmen to an american definition of Belgium.

We are given to understand that about 70,000% has been expended on the understaking—the capital of the company being 100,000%—thus leaving 30,000% to be called for, which it is intended to apply principally to the second of the iron works. The assay made of the ironstone which the continuous of the iron works. lies at surface, and is said to extend over a tract of four miles, gives 45 to 60 per cent., and an analysis of the coal 54 per cent. of pure carbon. The property is held in perpetuity, and not subject to any rest or rayalty.

PATENT WIRE Rose .- We are glad to find that the wire rope con-PAYENT WIRE ROPE.—We are glied to find that the wire rope con-tinues to gain ground, and that its use in the mining districts promises to become very general. At present, we hear only of Smith's patent wire rope being employed, Messex. Newall and Co., and Mr. Heimann, having, as far as we can learn, fallen into the back ground. We had hopes, from the nature of the machinery employed by Messex. N. and Co., that some improvement might have been effected in the manufacture of that which in pronounced medicat, or, at least, that if might be reminered at a less rate prenounced perfect, or, at least, that it might be rendered at a less sate-the latter, we see glad to find, has taken place partially.

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ORIGINAL CORRESPONDENCE.

EMPLOYMENT OF SLAVES IN FOREIGN MINES. TO THE CHAIRMAN, DIRECTORS, AND SHAREHOLDERS BIAL BRASILIAN MINING ASSOCIATION.

My attention has been directed to a letter in the public papers, signed Edward Harris. George Thomas, Edward Thomas, Joseph Fry. Francis Fry, Richard Fry, and Henry Tuckett, and also to a rider to your advertisement for the usual half-yearly meeting, calling a special meeting, "for the surpose of taking into consideration the propriety of emancipating the slaves held by the company, and for securing to them their future freedom."

As this question is now likely to come on for fair discussion, and as it involves many points of great and wide-spread interest, I trust that I shall not be deemed intrusive in offering to the consideration of the shareholders, through you, their chairman, some remarks which appear to me to bear upon the main point at issue. I shall not discuss the ealue of negro labour to the prosecution of your mining works, for, if your gold can be procured only by the infliction of injustice and misery upon your labourers, it is clearly your duty, at whatever sacrifice, to abandon the undertaking. I purpose, therefore, to examine it is clearly your duty, at whatever

purpose, therefore, to examine—

1st. The state of the negro in your service, as regards his own individual appiness and means of moral improvement.

2d. The influence which his present position and example exercises upon be surrounding community.

happiness and means of moral improvement.

2d. The influence which his present position and example exercises upon the surrounding community.

3d. The consequences of his emancipation upon his individual happiness, and its probable effects upon his moral character.

In the consideration of the first point, it is essential to bear in mind that no just comparison can be made between the blacks of the British West India Islands and those in the employ of your association. The first are, for the most part, born upon the several estates accustomed to British habits, wants, and feelings, and, consequently, entitled to, and able to, exercise the rights of man, without detriment to themselves, or danger to the community in which they live. The latter, on the contrary, are natives of Africa, barely weaned from the savage propensities and habits of their childhood, and quite incapable of governing, maintaining, or protecting themselves. Led by the example, and instructed by the skill of the English miner, they acquire proficiency in his art, and cheerfully accompany him in his hours of labour; the task of the white man and the megro begins and ends together, and if both, or either of them, choose to extend their term of toil (which is only eight hours per day), they may, but are not forced to do so, and both are paid for the extra time that they are employed. Thus thrown together in the prosecution of a common object, a community of feeling and of interest arises between the white man and the black, and the latter, unconsciously imitating his fellow labourer, is sustained by his example in habits of regularity and industry. His individual happiness is thus improved, by the acquisition of new habits, new thoughts, and new feelings, forming an antagonist principle with the savage propensities of his wife and family, and his mind and heart are thus prepared for the reception of those higher truths which it is the duty and privilege of the association to inculcate.

I now come to the second point—viz., the influence which yo

ports of his wife and family, and his mind and heart are thus prepared for the reception of those higher truths which it is the duty and privilege of the association to inculcate.

I now come to the second point—viz., the influence which your negroes' present position and example exercises upon the surrounding community. It is well known, to all who witnessed the first actitement of your establishment at Gongo Soco, that a great sensation was created thereby, extending throughout the whole comarca of Sabará, even to the Diamond district. This sensation was not confined to the Brazilian miner and planter, but rumours of the English establishment spread among the negro population, who fied in numbers from their Brazilian masters, and sought a refuge among their happier countrymen at Gongo Soco. Indeed, the condition of the Gongo negro—his food, his clothing, his cottage, his moral training—formed a novel spectacle in the province of Minss Gerses, exciting the wonder, indignation, and contempt, of the Brazilian slave owner. But the matter could not rost here, for the force of example, and the force of opinion, acting slowly, though surely, have obliged the Brazilians to ameliorate the condition of their negroes, and to place them more upon a par with those at the different English establishments. But the same causes which have acted upon the masters have not been less influential upon the negroes, for these latter, finding themselves the objects of greater care and solicitude—proud of their bettered condition—have unconsciously acquired feelings of self respect, and habits of industry and self government, which have naturally raised them in the scale of humanity, increased their own happiness, and identified their well-being with that of the surrounding community. The English establishments, in the province of Minas Gerses, have thus proveed a blessing, not only to the negroes in their immediate employ, but also by influencing an anoeliorated treatment towards the whole black population of the province.

This brin

indicary and naval power, conscious of its weakness, is constrained, by a regard for its own safety, to view with an alarmed and jeakess eye an African population, isocated in the heart of the empire, in numbers far exceeding those of its native subjects.

I san, indeed, informed that a dejustation has waited on the Brazilian energy, to ask him if there he say impediment to the emancipation of the Gongo negroes. The question thus framed, of course, elicited the required mover—"There is no legal impediment." But the messers would have been far different, if the question had been put with a desire to elicit the whole levels, for the real question is, whether the Government would view with moments the emancipation of a large body of negroes, superior, perhaps, in physical power, to the constituted authorities of the province, thrown without matrial quidance or control among the peaceshie and thirdy labulated thinges of Minas Gorses, exciting the jealowey of their now constended African countrymen in the different minus and plantations, and inevitably lawling to recome of disobedience, hierdebed, and devastation.

Universal indignation would be materally and justily raised at the flagrant wirage upon the prace of the province, and the Government, in deference to public opinions, as well as a measure of self-defence, would be constrained to interfere. The negro, unshielded by your legal protection, would equedity for a himself deperied of his present liberty and happiness, and placed on the nearest materiors. The negro, unshielded by your legal protection, would equedity for himself deperied of his present liberty and happiness, and placed on the nearest materiors.

or death—of others, without the smallest knowledge of the subject on which they desire to legislate.

Not to be too extensive, here I must pause, leaving untouched—at least, for the present—many interesting points of this very interesting subject. But, before I conclude, I beg to address a few words to the respectable gentlemen who signed the requisition for the special meeting. I would ask them, with no unfriendly feeding, to examine themselves, whether they really know what manner of spirit they are of? for the spirit of pure philanthropy is diffident and retiring. Is your spirit diffident and retiring? Let the advertisements and newspaper puffs by which you have forced yourselves upon the attention of the public answer the question. Again—the spirit of pure philanthropy is slow to believe evil. Does this correspond with your spirit? Let the eagerness with which you have sought, and the facility with which you have credited, every tale of detraction, irrespective of the impurity of its source, answer this question. Again—the spirit of pure philanthropy is careful of wounding the feelings and character of others. Is this your spirit? Think with what bitteruess of invective—with what greediness of detraction—with what active clamour—you have seized on a popular, but little understood, subject, and made it the means of casting odium and dishonour on many bodies of English gentlemen—at least, your equals in humanity, in education, in rank, and in fortune—and, having thought of these things, answer yourselves the question.

Finally, gentlemen, permit me to suggest, that this country presents a wide and diversified field for the exercise of the most unbounded benevolence. The philanthropist, undeceived by tales of foreign wose, may here verify the reality of the affliction he seeks to alleviate—may here open his hand and his heart to redress the grievances, and supply the wants, of his own countrymen—may here, without the fear of inflicting evil, by a noisy and ignorant seal, free from the suspicion of a pitiable e

"Do good by stealth, and blush to find it fame."

London, May 10.

A FAIRND TO THE NEGRO

CAMBRIAN IRON AND SPELTER COMPANY.

CAMBRIAN IRON AND SPELTER COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—I am a shareholder in the Cambrian Iron and Speiter Company to a considerable amount for my circumstances. When I took my shares they were fixed at 25L per share (and inducements held out that they would only have to call for 15L per share), with power to double the capital by the issue of additional new shares. My 25L shares are all paid up in full, having strained every nerve to do it—and felt proud and happy that I had cleared myself of all their demands against me. The directors have lately called meetings, and have so manœuvred, by gaining proxies, and keeping the shareholders out of the way, that at the last meeting, on the 3d inst., there were but seven or eight attended, and carried their point, with proxies, by a large majority, for the reseinding of a clause and introducing another, to enable them to raise the shares to 35L each, which, if am forced to pay, will be ruinous to me. The Deed of Settlement I have never signed nor seen. Being an old subscriber to your valuable Journal, I beg to ask your opinion and advice. Can the directors make me pay any more?—they talk of forfeiture. What injury can they do to my property which they hold? and can they deprive me of my dividends when they are declared? Your compliance with the above will greatly oblige

Your obedient servant,

Littleton, near Thornbury, Bristol, May 14.

R. Taylon.

Littleton, near Thornbury, Bristol, May 14. R. TAYLOR.
P.S. I have not attended any of their meetings, either by proxy or perso

P.S. I have not attended any of their meetings, either by proxy or person.

We regret it is not in our power to counsel or advise our correspondent without being in possession of more maleried than we have at command. The Deed of Settlement, for aught we know, may contemplate an extension of capital by the issue of new shares, or increasing the liability of the share-holder; and, from the course adopted, we are led to believe that the solicitors of the company have taken the necessary precaution to ensure the legality of the acts of the several meetings held; it is, however, alone by consulting the deed that any information can be acquired or an opinion formed. It is necessary, therefore, to see the powers vested in special general meetings—the number of proprietors required to be personally present, and unmber of rotes given on so important a question as that of increasing the responsibility of the body of shareholders. Our correspondent says be has never seen or signed the Deed of Settlement, and we presume, under such circumstances, he cannot be held bound to its provisions. Our opinion (not a legal our, be it observed) is, that an application to the Court of Chancery, to restrain the directors from forfeiture of shares, or of enforcing the payment of the additional capital (being on less a sum than 100,0004.), would be attended with success. The fact of so important a measure bring carried at a meeting of seven or eight shareholders, as stated by our correspondent, is in itself sufficient grounds. We believe, however, the shares are held in but few hands, and that a certain "London Joint-Stock Bank" are largely interested. We hope, in the latter case, that the capital of individual members only and not that of the company, is embarked in this Cambrian adventure.]

ON MINE SURVEYING.

ON MINE SURVEYING.

TO THE RIDTOR OF THE MINITED JOURNAL.

Sin,—It does not appear that "Hibernian" has seen the second edition of Mr. Bruff's Treatise on Engineering Field Work, therefore an error appears in his letter of last week, which, with his permission, I will endeavour to correct. He writes, "in p. 48 (first edition), the magnetic variation from the meridian is about 27 deg. west of north 1 and, besides this, there is a diurnal variation, which has been often observed to amount to 1½ deg."—instead of which, on referring to the second edition of Mr. Bruff's work, pp. 98-99, he will find the variation from the meridian to be 24 deg. 6 min, west of north, the diurnal variation having been observed to amount to nearly half a degree, but it is usually somewhat less than fifteen winutes.

he 24 deg. 6 min. The latter part of his letter, quotes the following from Mr. Sopwith's work—" In every mining district it is most desirable that all difficulty in sacertaining the true meridian should be at once removed, by the erection of two or more conspicuous objects, placed exactly on a meridian line, which, after heing projected with the most rigid accuracy, could remain as a permanent reference. This measure is indispensably necessary before any general system of preserving mineral plans can be adopted with that accuracy which can alone render them of value as a record from year to year and from age to age." The great attaints of a meridian line, in a mining district, or even a comparatively small mineral property, will not, I think, be denied by any person; and, as I vish to mark one out on a property shout three miles in length, for the purpose of checking the compass needle, perhaps some of your intelligent correspondents will oblige me, by farnishing a rule for doing so our-nectly.

I remain, Sir, your's, here,

dren, would be marched to some remote part of the empire. The wife and children, alike unprotected by your legal authority, and by the vigilance of their natural guardian, would become the easy prey of the kidnapper, and soon find themselves for raile in a distant part of the province; and father, mother, and children, would live to curse the infatuation of men, who, in their blind presumption of ignorance, have stepped in the foreground, to force on measures involving the happiness or misery—nay, almost the life or death—of others, without the smallest knowledge of the subject on which they desire to legislate.

Not to be too extensive, here I must pause, leaving untouched—at least, for the present—many interesting points of this very intreesting subject. But, before I conclude, I beg to address a few words to the respectable gentlemen who signed the requisition for the special meeting. I would ask them, with no unfriendly feeling, to examine themselves, whether they really feeling, to examine themselves, whether they really from the present.—many interesting points of this very intreesting subject. The provided of the special meeting. I would ask them, with no unfriendly feeling, to examine themselves, whether they really feeling, to examine themselves, whether they really feeling, to examine themselves whether they really feeling, to examine themselves whether they really from the very companied on every draft, it is obviously our first object to note the graduation. In a subject, and made it the means with your spirit? Et the eagerness with which you have sought, and the first draft was on 167°, the bearing would be 13° east of south. The only thing where a spirit of pure philanthropy is careful of wounding the feelings and character of others. Is this your spirit? Think with what butterness of invective of the impurity of its source, answer this question. Again—the spirit of pure philanthropy is careful of wounding the feelings and character of others. Is this your spirit? Think with what butterness of inv

Example.—The needle stood at 2464°; what is the bearing?—Answer. By a right-hand dial, 234° south of east; by a left-hand dial, 234° south of west.

Ex. The bearing, by a right-hand dial, was 54° south of east, what was

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I remain, Sir, your very obedient servant, Cullington, April 27. Jour Broun, ON MINE SURVEYING.

correspondents will oblige me, by farnishing a rule for doing so ourcectiy.

Aberparenny, May 19.

ON MINE SURVEYING.

FO THE EDITOR OF THE MINING JOURNAL.

Sta.,—If you will allow the following table to appear in your useful
fournal, I believe it will be satisfactory to many of your practical enders.

To the site pleasure the manly communication of your cares

Sta.,—If you will allow the following table to appear in your useful
fournal, I believe it will be satisfactory to many of your practical enders.

To the site pleasure the manly communication of your cares

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of discussion, although its observations bear point blank on a farourith in

tem, and, although his observations bear point blank on a farourith in

strament—the minor's dial—I have read them with great satisfaction.

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arithmy the processing of these whome views many differ from the control of these whome views may differ from the control of these whome views may differ from the control of these whome views may differ from the control of these whome views may differ from the control of these whome views may differ from the control of the processing and the processing and the commencement of a new era in the mode of discussion. Journal, I believe it will be astisfactory to many of your practical readers. A table, similar in principle, was printed for me in 1830, by Mr. L. Newton, of Camburne, as a happlement to the Practical Miner's Guide, but a has been out of print several years, and I have had vacious applications for copies since the impression has been distributed. The present arrangement is plainer, and will be more generally understood, then the original, as the numbers have been carried on throughout the circle, without forbiding, as that there is no danger of taking out the complement instead of the true bearing. In underground serveys it is neval to register only the degree at which the morth point of the condite estites, and, after we some at surface, to convert the average observations into their defined ourse or direction, called the bearing—which is absolutely necessary, in order to work the traverse by computation, and is always desirable. Some curveyous prefer securitations, as well as the degree, by observation underground, as they presend; but this practice is attended with falsy and uncertainty, aspecially in difficult planes; but even when this nection is adopted, it is astisfactory to have a table of this kind to text the falsy and uncertainty, aspecially in difficult planes; but even when this insert to a subject of the table, with a condensed explosuation, and adopted, it is astisfactory to have a table of this kind to text the falsy and uncertainty, aspecially in difficult planes; but even when this nection is adopted, it is astisfactory to have a table of this kind to text the falsy and uncertainty, aspecially in difficult planes; but even when this issue to attact the original sittle of the table, with a condensed explosuation, and for the original sittle of the table, with a condensed explosuation, by images.

A Mining Table, calculated for the proposes of finding, by images.

A Mining Table, calculated for the proposes of finding, by images. PROCEEDINGS OF PUBLIC COMPANIES.

BRITISH IRON COMPANY.

BRITISH IRON COMPANY.

A meeting of the united shareholders of this company was held at their office, Castle-court, Budge-row, on Tussday, the 18th inst.

Major Riconardson in the chair.

The Chairman explained that the object of the meeting was to consider the most prudent steps to be taken at the general meeting of the directors and shareholders, to be held at the Loadon Tavern on the casuing Thursday, when it was resolved to move an amendment on the first resolution—" That the reportibe not received and adopted;" also that a "committee of tweaty-one be appointed to investigate the affairs of the company generally, and that the meeting be adjourned for one month to hear the report of that committee." Protests were also made against the liability of the shareholders for the acts of the directors—the shareholders considering the board of directors illegally constituted, according to the Deed of Settlement.—Thanks having been roted to the chairman, the meeting separated.

BRITISH IRON COMPANY.

The annual general meeting of the proprietors of this company took place at the London Tavern, on Thursday, the 20th instant.

G. G. DE H. LARENT, Esq., in the chair.

The CHAIRMAN proceeded to read the advertisement convening the meeting—also, the requisition for which it had been made apecial; and further stated there was another object, which was the re-election of the two directors going out of office in rotation, himself and Horsley Paister, Esq., and Mr. Carr, the auditor.

Mr. Surrey (the auditor.

rectors going out of office in rotation, numerical and increases Paisser, Esq., and Mr. Carr, the auditor.

Mr. Smith (the secretary) then read the minutes of the last meeting.—
The report commenced with commenting on the bad state of the iron trade, and the serious results which had been thereby occasioned to the property of the company.—The accounts were then submitted, from which it appeared that the directors had agreed to pay Mr. Attwood 350,0001, and release him from all liability on his 200 shares; they had already paid him 200,0001., and the bainnes, 150,0001, was to be paid in March, 1944, interest being paid in the interim at 5 per cent. The valuation of their property was as follows:—In Staffordshire, 554,6761, 3s. 11d.; Aberaychan, 144,0044, 4s. 6d.; Ranbon, 94,9244. 1s. 2d.—making a total of 923,6004. 9s. 7d. The stock was represented as follows:—Staffordshire, 26,0001.; coal, 20001.; works, 15,0001.; other some, representing cash and Joank debts, &c., 17,0001.—making, a total of 60,0001. Their minerals were further valued at 45,0001, per annum; the valuations presented to the meeting having been prepared with great care.

—The three contracts entered into with Mr. Attwood were then read—the arguments which were urged at the meeting at which it was ultimately de-

total or 60,000f. Their minerals were further valued at 45,000f. per annum; the valuations presented to the meeting at which it was ultimately decided on to arrange faulty with Mr. Attwood, and the opinion of the counsel whom they had consulted, and who (with the exception of Mr. Jacob) had given their unqualified opinion as to the liability of the emenany; Mr. Attwood, in making out his case, having shown that the minerals had been abstracted, and that there no longer remained sufficient to pay the sum which he claimed. The report further stated, that the decisions of the courts of law had been dieastroue, and had been mainly instrumental in bringing on the ruineus condition is which the company was at that moment placed. It also contained a variety of secounts connected with the company, but from none of which could be caught any estimate of the liabilities as compared with the assets. It was, however, understood to be mentioned by the chairman, that by this settlement with Mr. Attwood as immense sum had been saved, considering the amount claimed, which would have swallowed up the greater part of the assets. The report concluded with a desire expressed on the part of the directors to have the fullest loquiry into their afairs, and it was agreed that it should be prizated with the accounts, and sent to every proprietor. A discussion then arose on the election of two directors to fall the vacancies occasioned by the retiring of Mr. Larpent and Mr. Horsley Palmer, who, however, offered themselves for re-election. Both these gentlemen addressed the meeting, stating that without the fullest combinence could be placed in them, and without the majority by which they were elected was a large one, they would be more content to retire from the scene altogether. Calumnins had been heaped upon them, they were pointed at as the cause of all the ruin of the concern, when, in fact, it was the lawsuit in which the company had been engaged that had worked so disastrously against its prosperity. Without it was the great voice

in the directors or the contrary, as the case might be, could be given upon satisfactory data.

Mr. Ricaano then moved the resolution, and wished to insert—"That Mesers. Horsley Palmer and Larpent be requested to accept the offices of directors," but which was overrated—the majority considering a vote of confidence would be more acceptable to those gentlemen after the investigations of the committee.—The original motion was then put and carried.

During the conversation which easued, the directors seemed rather surprised at one of the leading members of the united shareholders stating to the meeting their non-liability to be bound by the acts of the directors—the important alterations under by them not having been made under a new deed of settlement.—Mr. Laarnew said, he regretted hearing such statements under a the thought it entermely injudicious that it should ge forth to the public that their promissory notes were not worth the paper they were written on, or any other of their acts valid; however, he could not prevent such statements ings made, being placed there merely to preside over their proceedings.—It was then agreed that this meeting should be adjunred to the 19th June, for the purpose of taking into consideration the several points for which the meeting had been rendered special—the proprietors in the interim having the report and accounts formished them.—A vote of thanks having been yeased, the meeting separated.

BOLIVAR MINING ASSOCIATION.

passed, the meeting separated.

BOLIVAR MINING ASSOCIATION.

An extraordinary general meeting of the proprieture of this company was held at their office, Warnford-court, on Wednesday, the 19th inst.

ALEX. M'DONALD, Esq., in the chair.

Mr. ALLEN (the accessing) having read the advertisement convening the meeting, the Chainman stated that the meeting had been assembled for the purpose of circular two managing trustees, who went out annually, in retation, pursuant to the Deed of Schiement, when it was recolved meanineously, that W. Belleay, Eaq., of Liverpool, and A. M'Donald, Esq., be re-elected managing trustees of the company.—The Chainman returned thanks, and said they had nothing to lay before the meeting at present, but hoped, before the general needing, they should have some more cherring reports to submit to thum.—Thanks were then voted to the chairman, and the meeting apparated.

DUKE OF CORNWALL'S HARBOUR AND RAILWAY COMPANY

As adjourned coursal meeting of the shareholders of the above company was held at the London Tavera, on Thursday, the 20th instant.

Journ Ramsmortons, Esq., M.P., in the chair.

The Soliction having read the advertisement convening the meeting, the Chairman announced, that the award against Mr. Ross not being yet ready, no business could be done, and, as it would be full six weeks before they could have it, he thought it would be better that this meeting should be adjourned until the next half yearly meeting, on the fourth Thursday in July, and thus would be exposes of an additional meeting—which was agreed to.

The mosting than adjourned.

eminent actuary. Mr. Woolhouse, from original data arrived at by an adjustment of the irregularities of the Catilise tables, combined with the valuable experience of the Equitable and other tables of mortality on which former calculations had been based.

Connected with this subject, the directors see with great satisfaction, at the present moment, the announcement of a committee of the stome of Commons, the result of whose investigations will, it is hoped, be a guide to popular opinion on a subject on which there prevails so great a diversity of feeling, judging from the difference in the rates of premiums considered safe by different hire assurance establishments.

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Connected with this subject, the directors say with great satisfaction, at the present moment, the autonomement of a committed the flosses of Common, the subject on which there prevails so great a directory of redding, judging from an employed on which there prevails so great a directory of redding, judging from the difference in the rates of premiums considered safe by different life assurance establishment.

In the control of the control of the control of the policy holders—the marchia control of the control

in the control bare it, we adjusted the seal ball year and then south the reported of this bank was held at their officer.

The meeting of the proported or of this bank was held at their officer, Tavesbay, the 10th instant, at which our reporter attented, but was refused admittance.

NATIONAL LOAN FUND, LIFE ASSURANCE, AND DEFERRED ANUITY SOCIETY.

The annual meeting of the sheet company was held at the London Tavers, on Wednesday last, the 11th last.

After the advertisement reding the meeting had been read, it is not as the redirect of the sheet company was held at the London Tavers, on Wednesday last, the 11th last.

After the advertisement reding the meeting had been read, it is not been read to a to it of meeting a matter, that 2 means and the state of the directors, it has to express their great pleasure in again meeting the before year, if he to observe the state of the directors, it have to express their great pleasure in again meeting the meeting had been read, the state of the directors, and it is report their meeting the heart of the directors, in the part of the directors of the National Long Found Left for the Chairman and the requirement. The second Annual Report of the directors of the National Long Found Left for the Chairman and the requirement. The second Annual Report of the directors of the National Long Found Left for the Chairman and the requirement. The second Annual Report of the directors of the National Long Found Left for the Chairman and the control of the second annual Report of the directors of the National Long Found Left for the control of the second annual Report of the directors of the National Long Found Left for the Chairman and the control of the second annual Report of the directors of the National Long Found Left for the control of the second annual Report of the directors of the National Long Found Left for the Chairman and the second of the second

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the position and bearing of the lodes by this division of the circle into hours; hence, they called an east and west a six o'clock lode (because the shadow of the pole lay on it at six o'clock); and we hear, in some mining districts, to this day, of a six o'clock lode—as seven o'clock, eight o'clock, and nine o'clock lode—which is certainly a mode of description more expressive and concise than that which we have used sluce the introduction of the miner's dist. We now use the term—an east and west lode, for six o'clock; a lode fifteen degrees south-of-cast, for seven o'clock; a lode thirty degrees south-of-cast, for eight o'clock, is, and it is worthy of remark, that the old miners made use of the true meridian in their descriptions. We moderns describe the bearing of lodes from the magnetic variation—I hope to give a short notice of the progress of mine surveying in some future communication.

I am, Sir, your's, &c.,

Redrath, May 19.

RECHARD TREGARUS

these were auditrided into an parte each, which represented the twenty-four hours of the day; thus our forefathers, by the most simple method con-esivable, without elocks or watches, or any instrument but a long pole set upright, contrived to find the true meridian, and by it the other cardinal points, and to make a run-dial to find the hour of the day. But this is not all; they had still another object in view—they wished to describe the position and bearing of the loses by this division of the circle into

NEW IRON DISTRICT IN THE NORTH. TO THE EDITOR OF THE MINIST JOURNAL.

Sir. Your "Sahing" correspondent, Mr. Isaac Walton, at Otter-burn, to induce subscribers to the Redundale from Works, situated on

burn, to induce subscribers to the Redusdale from Works, situated on the Moors of Northumberland, should have stated the prime cost and selling price of a ton of the pig-iron produced by ironstone and soft coal, about eighteen to twenty inches thick, got with difficulty, to supply coke ovens, for two only out of their four furnaces. The following is, I be-lieve, a close approximation to the prime cost of one ton of the iron they are at present making and pudding in Sanderland, viz. :— Coking, lime horning, engines, workmens' houses, &c. —7 tone coal, at is. . &

Carriage on a fully terrapher-road, from Redendain L. Hexham (fifteen miles, at lost per onlie.

Railway carriage from Hexham to Redheuzh (www.) miles, at lod per ton jer mile.

Railway carriage from flexham to Redheagh (twenty one miles), at adpute from Redheagh to Montwearmouth (17 miles, at adCartage from Montwearmouth to hunderland.

or, say \$4. 54. per ton, for one ton of No. 4 iron.

Now, as to the selling price, one ton of the same quality costs M. in Glasgow, from whence it is brought to Sunderland at 10s. freight—making the selling price, as it really is, M. 10s. per ton in Sunderland—homes it follows that the blast-furnaces in Redesdale, or the puddling-furnaces in Sunderland, must secrifice H. 15s. per ton; to which must be added interest and deterioration of the capital at Redesdale, as given by Mr. Isaac Walton, at 30,000£, also the wear and tear on furnaces, engines, cohe ovens, limehilus, buildings, &c., &c.,—all this may fairly be estimated at 15 per cent., or 45,007, per annum, which, distributed over the quantity they are making, about eighty tons per week, or 4160 tons per annum, increases the less about 1f. 2s. per ton—making the total loss 2f. 17s. per ton, or mearly 55 per cent., equal to 11,856, per annum.

This wild scheme (and another is about to commence at Bellingham under similar suspices) was projected by a person ignorant of any por-Now, as to the selling price, one ton of the same quality costs

under similar suspices) was projected by a person ignorant of any por-tion of a process for the manufacture of iron, and skilfully disposed of by him to parties connected with the Northumberland and Durham Joint Stock Rank, in Newcastle, together with others there connected with the celebrated British Iron Company. It is a sort of Durham County Coal Company or Northern Mining Company on a small scale. Your currespondent, Mr. Matthias Dunn, examined it once professionally.

I remain, Sir, your's, Sir, Markows, May 17.

Are Examy to Humbur.

An Enumy to Humano.

[One object in giving insertion to the letter of "Innac Walton," was not only to direct attention to the locality (with which we were not conversant as to the advantages it held out), but also to clief information from others. We are obliged for the observe communication, which at once proves the uncluders of notice being taken in our columns of new projects, whether "humbug" or otherwise.

NEW COMPANIES

SAFETY ROTATION HAILWAY COMPANY.

To be Incorporated by Act of Previousnest.—Capital Company, in 10,000 shares of Cits such. Beginni &t per share.

By this invention, it is stated under that considerable improvement has been made, but that the heary expenditure required for their construction, chatables prevented by local of filentities, and liability to disager from sections, are very materially dissinated. The following description will heat explain the principle.—The Bafety Rotation Railway is an inversion of the exclusive construction, the wheels being made to revolve on fixed bearings, placed in two parallel lines, and the carriage (without wheels) being fixed again a pair of running sails, carried along a jon the peripherion of the trade of wheels, and kept in revolution by steam-engines at fixed distances—which wheels are drived by a succession of enthering the trade of the local of the trade of wheels, and kept in revolution by steam-engines at fixed distances—which wheels are drived by a succession of enthering the trade of the trade of the local of the trade of wheels, as a first distance which wheels are drived for one; and the local of wheels, as as in reach below their courses—the cartinger cannot, therefore, get off the road, one can any collision take place. It is practicable by this system to accord steep are divided, whereby the expense of timeline wends be deviated, and that of cetting and enhanting considerably realized.

marroution of a road on this principle is said in combine perfect travelling, with equal, if out grouter speed, and at the same time and fave to the points, and a higher rate of interval to shoreholders, there ascertained that the Kotation Hallway may be solved to those

gow in use, and it is enhealated that the cost of construction will not exceed two thirds that now actually required, while the annual saving in mainle-frances will be 10 per cost. Its.

It is intended to raise 10,000f, for deflaying the accessary expenses convergance on the institution of the company, and for making a periliminary tand the lawordium, by the recent of which the company will be guided in their fature proceedings, and beyond which triffing advance, about it for its or requirementality can be incurred by the abareholders; about the expectances, or the maintain, wastered, of which the company outerfain on doubt, the profits expectated to be decised from the procedure of Mr. Rongedy's patent exploit, cannot fail to prove naturality, it being the object of the formation of the procedure company, is given formation, or quadrated with presum desires of executing earlings on the prognod improved principle, the letter power being expected of being exercised only at the discretion of a general meeting of the shareholders.

terebublices. The placed is the full and uncreaved percention of all the force and objects of the company, who flatter thromatics with the loops of bisiology that support and successment to which an involution appreciably people with many important benefits to the country at large may be held to

Page and Roven Rangono Convany.—This company are now communicating the logal formalities requisits for their commencing opera-tions in the department of the Bure.

Riddell Stodart, Esq., and John Griffith Frith, Esq., were also elected as new directors; and Professor Graves, A.M., F.R.S., as an auditor.
Mr. MILLER (of Sunderland) moved a vote of thanks to the chairman and the other officers of the society, for their able management of the institution up to this period, which was unanimously carried.

The CHAIRMAN begged to return his sincere thanks for the mark of approbation conferred upon him and his brother directors.
A vote of thanks was then moved to the secretary, who returned thanks, and the meeting separated.—Entire satisfaction secured to prevail throughout the whole of the proceedings.

ANCIENT REPORT ON MINES IN CARDIGANSHIRE.

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A CHEST REPORT ON MINES IX CARDIGANSHIBE.

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Charges.

Charges.

Charges.

(19,75)

Ith/600 tums of lead, at 94. per tun.

(200,000)

Charge of getting, washing, and smelting.

Ith/600 tums of lead, at 94. per tun.

(200,000)

Charge of getting, washing, and smelting.

Ith/600

Sinking shafts, and incident charges.

(Cear profits.

Chear profits.

(20,200)

Some gentlemen have condemned mer very much for giving in such an account, as believing this was a greater quotectipian can be related from any mine in the world, but moder favour, this will appear a greatesiorake on their side, not only from a pain demensarization of the thing, an storeasth, but from common superione to other mines, both at boone and abroad. As, first in America, the famous mine of Futuri is a sufficient instance to the contrary.

This mine lies in the comentry of Chorcoa, is a province of Peru, seventy leagues both the uses, within the tropichts, in twenty-one degrees of south intitude, and was discovered in 15-06. From the great vein, within in about all foot wide, doth issue out south and the second pound weight of their cary prideling one connect of fine citier, at which rate they must raise in our yearily two humbred thousand pound weight of alver yearly, one pound weight of their cary yielding one connect of fine citier, at which rate they must raise a great deal move. The great vein ruits divicily morth and south, despite in the list; they have made a level which they were twenty-two years a driving, but, being very crisical and russing far under ground, they carry up their our on their backs, each man about 500. Weight in waitethy, on listinger made of each bides, there and there is a row, one of the three having a candle tool to his right thousand, they were the real light.

This work weapinys above twenty them and mineral in the wrought night and day, shows a them would grid the weight in the internation of the bill, called the mineral mineral made in the momentum time the profit thousand three to a row, one of the three having a candle tool to his right thousand fire fine o s finding and a remarcie, and, by senier, a more closest to draw in persons, to speak of fishing to these thousand two of our in a year. I could heartify wish, for my closely in sale, that these mines were as rich in arrives at that, I thousand a court of the finding of the court of the cou

to large as streezed, and the least as big as any of them in the sorth, expecially when the larvels are made in a cheap country, and so near the see, but the advantage of these works may further appear, by an emay on the value of the works in the north, and these compared together, as followeds.

A SHALL BELLY, BY A MERITHE OF PRIVES, AS GAR IN OUT IN THE NORTH, AND IN WALES AT SECURITY, COUPLING TOURTHER.

The raising 13,000 hing * of our, at 15s, per hing, which is the middle price between 10s, and 20s, per hing, amounts to ... \$11,250 0 0 The days allowed to the lord is one-seventh share and a half, being a medium betwist a ten and a five share, but I'll admit a seven, and that amounts to 2145 bings, and six-sevenths but I'll admit of one hing more, which makes 215 bings, which being deducted out of 15,000 hings, there remains 12.575 bings, which, at four bings to a tun, will yield 2214; toos of smelted lead. The charges of amelting there of at 15s, per tun, amounts to... 2,410 10 0

The middle price for carriage to the value, day, between 20s, and 34s, is 27s, per tun, which, for the said 3214 tun of lead, will amount 4,4308 10 0

Charges

Increreron or Civil Engineers.—At the usual weekly meeting of this institution, on Tuesday evening, several interesting papers were read. One from the Hon. Mr. Stewart, on the application of pent to the purpose of building "see walls," excited considerable interest. The author described some embankments constructed with it on the estates of his brother the Earl of Galway, to reclaim various portions of land, to the amount of many hundred scree, and stated that it had been found to answer extremely well, for several reasons, the most prominent of which were, that the blocks of peat, when well rammed down, grew together, thus forming a most complete "puddle" wall; and that from its apongy nature it was not liable to crack in dry weather like clay, when any portion of it was in water, as moisture was in that once drawn up to all parts of it.

THE POSSEL TREES IN CRASSERTYN AND GRANTON .- At the last meet-The Forset Term is Crassers and Grassrow—At the last meeting of the Geological Society, a member described the valuable researches of Mr. Nicol, on the internal structure of the extinct flors found in the synolronous sendatone deposits of Granton and Craigleith. Most of our readers must have seen the beautiful method couplayed by Mr. Nicol to render, by excessive thinness, sections of found wood transpressed, for the purpose of observation in the microscope. Through this instrument, outlines, transverse and longitudinal, of all rement woods and ment of the found section, discher a faculty a hourstiful grantic structure, which, without any other purpose of observation in the microscope. Through this instrument, ourtions, transverse and longitudinal, of all rement woods and most of the fossil species, display a bountiful organic structure, which, without any other
test, Mr. Nicul has employed as decisive of generic and specific character.
This discovery, so simple and ingenious, has, in the comparison of fossil
trees in Congletith and Granton, afforded a point of great interest to the
geologist. In the specimens from Craigholth, a transverse section exhibits
through the microscope, a great distortion of the exp-week, aftering to
some please their shape, and in others filling them entirely up; exidently
suggesting that the terms, while undergoing the change of petrifaction,
have been subjected to the indusmos of great mainture and pressure. In
the longitudinal section, parallel to the modulary rays, the small benagonal
arcolor, which are the characteristics of the arcondism place, are teactly as
distinct as those which now afford a shelter to the goody presquent of
Norfole Islands. In the sentions made of the transform famile, the transscene observators is much better pressured, and shows the openings are of
the name character as in Craighoids, while in the longitudinal section all
the discs or arcelia are more or loss different. Where the arcade arrangement
compared with those in the Craighoids apositioness. These appearaments

* Thus, two bung and one had in one tom of one; but from bing to allowed to conde

afford, for the grologist and the student of vegetable physiology, a field of great interest, and we hope that these appearances will cauble us soon to decide the question whether these fossils belong to different species, or have, in the process of petrifaction, been subjected to different agenties.—Calcedonian Mercury.

SOUTH WALES COAL DISTRICT.—On Thursday, the 6th inst., another new colliery commenced operations on the line of the Lianelly Railway, and a district of country west of the Cwm Amman Valley has thus been opened, by a railway connection with the sea. The Glaulash branch (prolonged to collieries on the manors of Earl Cawder and the Lord Bishop of St. David's) has this week been shown to be in such a state of forwardness as to convey could the entire line, and the Myuwdd Masse Company have availed themselves of this condition, by sending down largely since the above period. We have from time to time examined many specimens of stone coal, but we have seen none more pure than this, nor none more likely in the market to rival the fame of Penbrokeshie anthracite; and we congratulate the railway company on this importance assession to their trading prospects—a congratulation we offer in perfect sincerity, since that enterprise which induced the formation of this line of railway deserves its reward.—Cambrism.

Scoton System of Banking.—We have learned from an authority upon which we are inclined to place reliance, that the Government have no intention of interfering with the Scotch system of banking.

Great Wasters Raleway.—This magnificent line of railway is fast approaching completion; the most streamous exertions are being made for the accomplishment of that desirable object; on the Sist is will be extended to Chippenbasa (ainety five miles), and the opening of the entire line, it is now said, will, without doubt, take place in June or July.

Cautron to Minras.—On Thursday, the lith inst., a fire took place at Foel Lea plantation, in the partners were at work, who immediately as instead in arresting

PRICES OF MATERIALS IN CORNWALL

11	413	1.4	R. 2	lik	A 11	P. L.	
Common iron, per cwt s		i in	s 6d	fron-wire sieves, each lis	84	130	e.
Half-inch square ditto 11	- 0	1.1	0	Iron-wire work, per foot 1	-	1.4	
hest fough whim clean 3st		28		Board nails, per cwt 17	-6	112	
hotier plates	-	18	6	Half-board ditto, per 1000 &	- 0	LA	
Hoop tron	- 6	810		Halsh ditto 3	-	1 3	
Cattroda 12	- 6	12	4	Half-hatch ditto &	- 10	1-3	
Miners' shovels33	0	33	0	Linsoni oil, per gallon., 3		1 3	
Diarcont from	-	12 38 18	4	Rape disto 3	Ä	1 4	
Junpowder, per 100 lbs 40	0	40	0	Birch, per fuot 1	3	1 1	
eather, per ib i	10	1	10	Pine,	4	1.3	
coals, per ton, at quay If	10	In.		Sheet lead, percwt 21	- 7	Jan.	
andles, per dosen the à	-	A	4	Barrow bends	- 2	152	
	-	1.5	2	M. C. otomic (1.10) then 1	- 2	155	
allow, per cwt	-	22	21	H 2 steel (1121ba.)	.3	100	а
lopes	-	77	2	20. naila 10	160	126	18
lat ropes	- 7.	45	201	Pick hilts		6.8	
lemp 0	40	-8	- 48	Shovel hits 2		1.35	u
Vhite yarn, per cwt 37		25		White ground lead 25	. 6	1.00	
Vhite rope	.0	38		Red load	8.	120	
trass wire sieves, each 3		- 8	6	liest rolled from		781	
litto machine 13		14	0	Illistered steel 40		lan.	

FROM THE LONDON GAZETTE,

FROM THE LONDON GAZETTE,

Thereday, May 18.

INSOLVENVE.

May 18.—Frederick Taylor, Spelditurel, Kont, plumber,
17.—Robert Edmunds, Brannett-street, Stamford-street, Blackfriars, but of Maris, Louisa Jones, Bedweity, Stommorthesiae, victualize,
Bark Ruptey Annual Edmunds, Bennett-street, Blackfriars, but of Maris, Louisa Jones, Bedweity, Stommorthesiae, victualize,
Bark Ruptey Annual Edmunds, Stommorthesiae, Victualize,
Bark Ruptey Annual Edmunds, Bark Burker,
Bark Ruptey Annual Edmunds, Bark Burker,
Bark Ruptey Annual Edmunds, Bark Burker,
Bark Ruptey, Burker, Bark Burker,
Bark Ruptey, Burker, Bark Burker, Bark Burker, Burker, Bark, Throughoutton-ado-brobors, (Crowder and Co., Mansion-bouse, yard,
T. Doob, New Windows, Innheeper, Ward, Easen-street, Strand,
J. Cadbury, New Bond-street, charecommonger, (Humphery, Newsymbod, Starbell, Lancasbirty, benker, North and Co., Barkint's holgs, J.
J. Whoeler, Burk, victualizer, (Hoston, Farentval's Inn.
J. and F. E. Kingsford, Dover, who morrhands. (Dimmork, Starbane,
P. Higgins, Balkind, Lancasbirt, hewmer, (Autoria and Co., Barkint's holgs, J.
J. Whoeler, Burk, Victualizer, Hoston, Farentval's Inn.
J. and F. E. Kingsford, Dover, who morrhands. (Dimmork, Starbane,
P. Higgins, Balkind, Lancasbirt, hewmer, (Capte and Co., Lincoln's Inn.
W. Maillion, Biackburg, Lancasbirty, merchand. (Milos and Co., Tempis,
W. Maillion, Biackburg, Lancasbirty, merchand. (Milos and Co., Tempis,
W. Maillion, Biackburg, Lancasbirty, merchand. (Milos and Co., Tempis,
J. Stoble, Leiscafer, and J. Freer, Huncore, Leiscafersburg, headers. (Dec.,
Jone 18, T. A. Curifa and N. Garty, Tokeshane,
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Jone 19, T. A. Curifa and N. Garty, Tokeshane,
Jone 19, T. A. Curifa and N. Garty, Tokeshane,
Jone 19, T. A. Curifa and N. Garty,

W. Mallison, Bischburn, Lancashire, morchant. [Miles and Ch., Pranjale.]

H. Binnare, Liveryand, Indio. [Hall and Ch., Vertalam building, Chray's Inc. J. Noble, Lekender, and J. Freer, Huncole, Lekendershire, horsiers. [Chy. Co., Beddend-grow.]

B. Jone 19, T. A. Cartie and N. Garry, Tokashoquo-gard, morchants. J. P. Sydecham, Kent, builder. A. D. Buttomier, Gracethurch-atowck, failer Swiff, Ashima-moder. J. Jon., Gimber merchant.—[d. W. Muttall, Manachast. 4.

"H. J. Colquheren, Stefficht, comperameth.—[d. W. Muttall, Manachast. 4.

"In J. Colquheren, Stefficht, comperameth.—[d. W. Greenberg, Mischalt.] Incolousless. A. E. Evans, Livergood, draper.—[d. W. Commbe, Lancacadewill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder.—[d. J. Putter and W. Mandel, Manchaster & Hischburn, califorwill, builder. J. J. Hall G. C. Green, Peckhaster Jans S. D. Lancacadewiller, D. Hall, Mandel, Manachaster, Manchaster, days.

Change Maller, Cuffors, Briefel, cabinet maker.

Joseph Miller, Ciffors, Briefel, cabinet maker.

W. Chengare. Beckfirther. Joseph Agarter, Pleck-direct, propert. Institute Jans.

May 19.—History Miller, Ciffors, Briefel, cabinet maker.

Joseph Miller, Ciffors, Briefel, cabinet maker.

J. Hayward and H. Greaves, Brighthalmatom, Jimos, Beckfard. Inst. Heart-direct.

M. Kodomon, call R. M. Mondel, Briefel, Chromiter, Manchaster, Jans. Beckfard.

J. H. Hall, Liverpool, glass canconhetarer 16, T. Changlelom, Haydock-Indgo, Addressine, and H. Konti, Brands and, And J. Wilson, Jon., Nottingham, horsion-and, H. Konti, Brands builder -16, H. Nichtin, Gracelland, Vorkshire, worded spranat -15, burst, W. or wickshire, Incom-14, J. Lorein, Tradegal, Manuscribe 15, J. Parkinson, Lorein, Librarianies, general, L. Cantineson, Lorein, Laborationies, general, Cantineson, Lorein, Laborationies, general be shown to the combetter of the Company of the

	Mine 5	National States	Retro	Delica .		Store				Secure	
Phones.	I S STREET	AF 50-54	85,28 W	45,36	Monaday	3.5		40 .	401	10.64	Sec.
Printer	14	85 65	F6,36	30,21	Emmoders	5.00	-10	Ø	981	200.00	Mar
heleci.	16	48 76	3855 4 -	\$5,05	Worksto.	10	30.00	# ··	WE !	Marie and	364
			B4,830					-			1
Million S. S.	E.W. LINK 6	No. Lake	march Bridges	with specifical	4 - W MA	40.00	W- 4	-	v - 0.040	A C STREET	

Which, N. S. in the Life, and inhoming day, M. and A.W. on the Life, dame S. S. Enroyt the 18th generally slower, you fail on the 18th, and following day.

Maintenant land No. 18th, and tend to day inch.

Maintenant land, particularly on the 1sth and 18th, when highly televand, and there includes the consideration of the 1sth and 18th, when highly televand, and there is need to the same televand.

MONEY MARKET AND CITY NEWS.

CURRENT PRICES OF ENGLISH AND FOREIGN FUNDS.

CORRENT PAICES OF Consols Money, 89; § Ditto Account, 80; 90 New 1; per Cents. Annuties, 96; Reduced Ap per Cents., 97; Leng Annuties, 12 11-16 § Bank Stock, 168 9 Exchequer Hills, 41 C pen. Beigian Bonds, 5 per Cent., 100 1 Bazil, 5 per Cent., 47; 6;

nd AND FOREIGN FUNDS.

Danish, 3 per Cent., 274 g
Dutch, 2 per Cent., 224 g
Ditto, 5 per Cent., 294 g
Ditto, 5 per Cent., 294 g
Ditto, 5 per Cent., 294 g
Ditto, 3 per Cent., 29 g
Russian, 6 per Cent., 29 g
Russian, 6 per Cent., 29 g
Chili, 6 per Cent., 60 g
Colombian, 6 per Cent., 224 g
Mexican, 6 per Cent., 224 g

SATURDAY.—Although the Consol market assumed a better tone in the course fibe day very little business was in fact transacted, and the only operation calling trensits was the exchange of a large amount of stock into Long Annultes, hich, bowever, did not particularly affect the value of either security. The foreign securities were also but little deal in, but Spanish stock left off a the better than it opened, the Actives were family quoted [4 to 4]. The railway share market continues depressed.—Colonial Bank, 354, Union of matrails, 34 to 4.

The railway share market continues depressed.—Colonial Bank, 354; Union of Australia, 34 to 4.

MONDAY.—Political rumours influenced the Consol market in the course of the day, and though they were of a nature to which credence could not well be given, it closes firm, with prices a thad higher than Baterday. Consols for Money opened at 89; touched 39, and closed at 80; to 90. For the Account they opened at 90; touched 39, and closed at 80; to 90. For the Account they opened at 90; touched 39, and closed at 90. A sais of Eachque I lills was made during the hours of business at par, but this affords no criterion of the value of money, as this was not a money day, the sale, it is understood, being effected to supply part of the funds necessary for the payment of the first dividend under Messrs. Wright's bank-rupley; the last quotation of Eschequer IIII was is to 32, pm. Hank Stock chosed at 1674 to 81 India Stock, 25a to 21, 8 per Cent. Reduced, 896 to 21, 24 per Cents. Reduced, 876 to 31 India Stock, 25a to 27, 8 per Cent. Reduced, 896 to 21, 24 per Cents. Reduced, 876 to 31 India Stock, 25a to 27, 8 per Cent. Reduced, 896 to 27, 24 per Cents. Reduced, 876 to 31 India Stock, 25a to 27, 8 per Cent. Reduced, 876 to 32, 154 per Cents. Reduced, 876 to 87 India Stock, 25a to 27, 8 per Cent. Reduced, 876 to 87 India Stock, 25a to 27, 8 per Cent. Reduced, 876 to 87 India Stock, 25a to 27, 8 per Cent. Reduced, 876 to 87 India Stock, 25a to 27, 8 per Cent., 264 to 37 India Stock, 25a to 27, 8 per Cent., 264 to 37 India Stock, 264 to 37 India Stock,

7 to 8 dis., and Brighton, \$\frac{1}{2}\$ to \$\frac{1}{2}\$ dis.

TUEBDAY.—The feature in the Consol market to day was the general searchy of money, occasioned by some large deliveries of stock, and the withdrawing by the discount beauses of capital required for employment out of doors, not withstanding this, and although very little business has been transacted, its firmness was uninterrupted, and it closed if anything rather better than yesterday. The current value of money was full \$\frac{1}{2}\$ per cost.

The foreign stocks were again locative, and the pancity of business rather influenced prices.

The foreign stocks were again inactive, and the pancity of business rather influenced prices.

The prices of railway chares were without alteration.—Australasian Bank, 58; London Joint-Nicck, 12], London and Westminster, 22] to 22], National of Ireland, 48; Provincial of Ireland, 48; Provincial of Ireland, 48.

There was a fair amount of business done to-day in the continental exchanges, and a still further improvement in the rate upon Hamburgh. Paris and Amsterdam may be considered nearly the same as last post.

The premium on gold at Paris in 109 per mille, which, at the English Mint price of 51. 17s. 1044, per conce for standard gold, gives an exchange of 25. 38, and the exchange at Paris on London at thort being 25. 49, it follows that gold is 600 per cent. dearer in London than in Paris.

By advices from Hamburgh the price of gold is 431; per mark, which, at the English Mint price of 51. 17s. 1044 per cent. dearer in London than in Paris.

By advices from Hamburgh the price of gold is 431; per mark, which, at the English Mint price of 51. 17s. 1044 per cent. dearer in Hamburgh than in London.

The course of exchange at Hamburgh on London at short being 15. 8, it follows that the exchange is 1 %3 per cent. against England. But the quoted exchange at New York being 102 25.40 per cent., it follows that the exchange is 1 %3 per cent. against England. But the quoted exchange at New York being for bills at slaty days' sight, the interest must be deducted from the above difference.

weenlesses were quoted a shade lower.

The railway share market were during the day.

THURBDAY.—The English stock market has been in a quiet state all day, and soney was rather easier at 5 per cent.

The business in the foreign stocks was of small moment.
In the railway share market the transactions were limited, and devoid of interest.

Sational Provincial Bank of England, 24f; Provincial of Ireland, 42; Union of sustrails. 43.

-Mational Provincial Bank of England, 34]; Provincial of Ireland, 42; Union of Australia, 54.

FRIBAY.— The Exchequer Bill market was in a more active state to-day than at any preceding period of the week, with a corresponding increase in the premium, in consequence of the ethi casic state of money at the Stock Exchange, while out of duors, for commercial purposes, it appears to be as scarce as ever. The large, or 1898, bills, bearing 24d interest, were last quoted in to 180, pin., it a 30-st, bills &s. to 110 pm., and the small bills were done at 1 a. pm., but 6s. to 14a pm. was the last price. In the English stocks the business was comparatively unimportant, with very Bitle variation in prices. Consols for money and the account, 89½ to 19., 3 per Cents. Reduced, 82; to 2; A. New As per Cents., 29½, Long Annuties (expiring 5th Jan., 1860), 12 in 6th 2; Bank Stock, 168 to 169; India Stock, 2004 to 25; and India Bonde, par to 2 per.

The foreign stocks have not engaged attention. Spanish Actives were floatly quanted 23½ to 3; Culcombian, 224 to 4; Pertagence 5 per Cents., 205 to 4; disto 3 per Cents., 20 to 6; India Stock, 10 to 10; India Stock, 10 to 10; Durch 2; per Cents., 3; to 2; disto 1 per Cents., 20 to 4; disto 3 per Cents., 20 to 6; Durch 2; per Cents., 3; to 6; disto 2 per Cents., 20; to 4; pen., Busch wall, 7 to 6 dis., Brighton, 4 to 2; dis., tireat Western, 27; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 62; to 14; pen., Boath Western, 57; to 6 in pm., ditto half shares, 12; to 14; pen., Boath Western, 57; to 6 in pm., ditto

LATEST PRICES OF INISH STOCKS.—2 per Cent. Concele, 884—54 Stock, 67—Ditto New, 1886, 874—54 per Cent. Debentures, 893—Banh Stock, 105—Ringstown Rallway, 75—Droghedo, 74—Astronal Insurance Company, 754—City of Publish Steam Company, 116—ditto Stock, 1895, 36—British and Irioh Steam Company, 596—City of Publish Company, 116—ditto Stock, 1895, 36—British and Irioh Steam Company, 596—Hibertian Banh, 36—Royal Bank, 16—Mining Company of Ireland, 1.4—Wickley Copper Mine, 104.

AMSTRADAM, Mar. 14.—Actual Debt, 24 per Cents., 51 to 21, 5 per Cents., 50 to 120; Amort Synd., 45 per Cents., 705 to 911, 31 per Cents., 74 to 751, Conserval Company, 4; per Cents., 162 to 1611, Lone, 1627, 3 per Cents., 74 to 27 Rechange on London, 17 624e., two months, 18 824e.; dilto on Hamburgh, 58 623, two months, 58 57

BERLIN, May 11.—BR. Schuld Sch., 4 per Cents., 104 to 1054; Prunsian En disk Bonde, 4 per Cents., 107 to 1014. Exchange on London, three months, 4 104

BRURBELS, May 14.—Actual Debt, Is per Cente, 55; Rotherbibl's Lean, 10:2; can of 20,000,000, 85; Lean of 27,0:0,000, 7:0; ditto, 100; 100j.

HAMBURGH, May 12.—Austrian 3 per Cents., 100 bills, 1082 money; Bank Shares, 1636 bills, Rumian-English Loan, 105, bills, 1082 money; 3 per Cent. Hamburgh Certificates, 1034 bills, 1004 money; 1st Series Descriptions, 103 bills Hope and Cox, 3d and 4th Series, 47 bills, 47 money; auto, in Certificates, 57 bills, 874 money; New Loan, 4 per Cents, 1546, 874 bills, 874 money; Dutch Actual Debt., 2 per Cents, 15 bills, 15 money; Dutch Actual Debt., 2 per Cents, 15 bills, 15 money; Dutch Actual Debt., 2 per Cents, 17 bills, 18 money; Exchanges on London: Hamburgh, May 18, 127, 17 mo monaths, 15 6; 87, Percenburgh, May 7, three months, 30 bills, 15 discounted by Rigs, May 6, three months, 30 bills, 15 discounted by Rigs, May 6, three months, 30 bills, 15 discounted by 15 bills, 15 discounted bills, 15 discounted by 15 bills,

PARIS, Mar 18.—S per Crute., 11st Noc.; a per Crute., 50f, 20c.; 5 per Crute., 70f, 40c.; Bank Actions. 225ff.; Roste de Naglee. 10sf. 20c.; Rossano. 10ff.; Ryandeh Actives. 12sf. Belgian Space. 10sf.; 10s

THE STANDAL MAY 5.00 per Conte, 101, 4 per Conte, 101, 5 per Conte

HULL, Tswasday.—At the meeting of the Hull Plax and Cotton Mill Company, last Thursday, a dividend of 7 per cent. (I. per share) was agreed to, payable in Angust; the remainder of the profits, amounting also to about 7 per cent., to remain for the present undivided. New shares are to be issued at 51, pm. to propriet us only. Leeds and Selby Rails are worth rather more money. Yorkshire District Banks in better demand.—Birmingham and Gloucester Railway, 761; Edinburgh and Glasgow, 2841, Grand Junction, 2931, Great North of England, 751; Great Western, 941; Hull and Selby, 4414; Leeds and Selby, 951; Liverpool and Manchester, 2861, London and Birmingham, 1661, Manchester and Leeds, 351, Midland, Counties, 801, North Midland, 761, Sheffield and Rotherham, 3111; York and North Midland, 721.—York City and County Bank, 361, Yorkshire District, 911, Hull, 741, Yorkshire Agricultural, 41; Sunderland Joint Stock, 91.—Hull Gas Work, 231.—Hull Flax and Cotton Mills, 1881.

COLLINSON & PLINT.

GLASGOW, WEDWARDAY.—Ballochney Railway, 811, Dundee and Arbroath,

GLASGOW, WENNEADAY.—Ballochney Railway, 81L; Dundee and Arbro 29L; Réinburgh and Glasgow, 384L; Garokirk and Glasgow, 36t to 32L; Gl gow and Greenock, 29L; Glasgow, Paisley, Kilmarnock, and Ayr, 274L; Mo land and Kirkintilioch, 8sL; Paisley and Renfrew, 4L; Blamannan, 46L; Wish and Colteses, 8sL.

grow and Greenock, 201.; Glasgow, Pasicey, Kilmarnuck, and Ayr, 2741.; Monkiand and Kirkinstilloch, 5el.; Paisicy and Renfrew, 4l.; Siamannan, 56l.; Wishaw and Coltness, 58l.; Wishaw

Shotts' iton Company has declined to 421.

BRISTOL, Faiday.—Our market has been almost stationary since my last report, and, until political matters settle down, I do not anticipate any material alration in prices.—Great Western Rollway, 221. to 941.; ditto halves, 6411. to 6412. ditto fishes, 6411. to 6414. Birstol and Exeter, 841. to 711.; Bristol and Gloucester, 41. to 14.; Birstol and Gloucester, 741. to 14.; Cheitenham Union, 361. to 311.—Bristol Gas Company, 221.; Cliffon Gas, 281.

LIVER ARNOLD.

LIVER ARNOLD.

LIVER ARNOLD.

LIVER ARNOLD.

LIVER ARNOLD.

Salinburgh and Glasgow Railway, 3841.; Glasgow, Pailey, and Greenock, 2941. Grand Junction, 2031.; ditto, late Chester and Crews, 361.; Grand Junction, 2031.; ditto, late Chester and Crews, 361.; London and Birmingham, new thirds, 241.; North Midland, thirds, 64.

RICHARD DAWSON.

MANCHESTER, THURSDAY.—There are no smyptoms of improvementare market, only a very limited business is doing. The prices remain naterial alteration.—Manchester and Birmingham, 2444, to 2434, Lonsouth Western, 5444, to 571., Manchester and Leeds, 524, to 544. Londontingham, 1584, to 1664.; Midland Counties, 874, to 884.; North Midland thi

mingham, 18st. to 16st.; Midland Counties, 87t. to 8st.; North Midland thirds, 14t. to 14t. pm.

BIRMINGHAM, THURNDAY.—London and Birminghan Railway, 18st. to 16st.; Great Western, 98t. to 95t.; London and Burghton, 48t. to 47t.; London and Grophon, 18t. to 14t.; London and Grophon, 18t. to 18t.; London and Grophon and Burghton, 18t. to 18t.; London and Grophon and Leeds, 8t. to 84t.; Birmingham and Derby, 67t. to 18t.; Midland Counties Heraid.

MONMOUTHSHIRE COAL AND IRON TRADE.—An account of coal and iron brought down the tramroad during the week:—Coal, 10,638 tons 12 cwt.; iron, 1360 tons. An account of coal and iron brought down the canal during the week coal 1238 tons; iron, 1256 tons.—Merits of saturday.

SALE OF COPPER ORES AT SWANSEA Sampled April 28, and sold at Swansea on the 19th of May.

Mines En		Product.	Stand	6	rice.		Microso	Your	Profesa	Buck	Price.	
Chilt 1	66 .	. 104	954.	. 16	6	6	Allihies	121	101	115	9 12	
ditto	198 .	. 204	944.	. 17	10.	6	dittn	119	104	118	9 10	-
ditto	85	. 304	954	. 17	10	6	ditto	94	104	1148	9 12	
							Cobre	но	154	971	8 4	
ditto	SOR .	. 218	1944	RI.	8	65	ditto	68 .	150	971	2 18	
ditto	34 .	208	194	. 17	8	6	ditto	66	21a	948	. 3	
ditte	61 .	. 154	974.	. 12	14	6	ditto	40	154	97	2 13	
ditto	57 .	. 154	. 97 .	. 12	16		Cuba	78	211 .	944. 1		
ditto i	86 .	. 214	912	. 17	17	6	ditto	74	214	949 1	7 17	
ditto	81 .	. 194	1054	. 16	-	0	Llandidno	44	4	1344	3 2	١
Cnockmahon	103.	. 68	1144	. 7	19	0	ditto	21 .	4	1334.	3 2	
ditto	SM .	. 148			19	0	Laxey	81	4	1394	8 6	١
ditto !	61 .		1174.	. #		0	Chill	36	254	944 2	1 .	١
diffe	61 .	24		. 12	2	0	Chill	17	662 .	89 . 5	. 1	ı
ditto	100		1204 .	. 7		- 60	ditto	13	EEQ .	RO . A		ì
ditto	17 .	. 114	1184	. 10	12	16	Prince Albert	4	204	107	9 8	1
							RODUCE.					
Thill		704					Llaudidao		65	# 20	2 12	١
Knockmahon											SF 1.1	۱

				MODUCE			
				Llaudidno			
Essekmahon	4/10	3798 6	6	Laxey	St	169	11
Allibins		2211 5		Chill	36	770	
Cobre	274	3682 13		Chill	30	1744	15
Cobs	152	2787 13	0	Prince Albert	4	77	12
	Total tons,	2058 T	otal	amount, #76,819	9 0		

COMPANIES BY WHOM THE ORES WERE PURCHASED.

English Copper Company	1248	*******	£2374	10		
Greafell and Sons					3	
Sims, Willyams, Neville, Druce, and Co.,			17.12	7		
Vivian and Sons	405		4565	4	9	
Williams, Foster, and Co	97 44		14799		20	
Mines Royal Company					0	
	per minimizer.		-	na orașe	2000	
The state of the s				-	-	

SALE OF COPPER ORE AT TRUBO apled May 5, and Sold at Pearce's Hotel, Truco, May 20.

Mines.	Tissa.	Pric	e.	Purchasers.	Mines.	Tons.		Prio	v. Purchasers.
Tross trass	314 -	45.11	4	Williams.	Poblice .	57 .	2	- 6	6. Precuant.
alittus	lie			Mines Royal	41510	48	6	10	
4618518	103			Williams.	Fower C.		6	10	S. Nevill & Co.
dartes	90			Viviana.	CHARLE	107	6	10	0. Williams.
ditto	81			A LA MINISTER	didtor	63	4	-	6
elitter.		0.00			dillo	22		ï	A
diffic	4.8		E		ditto	20	1.8		8 Nevill & Co.
		7 12	6.	English Co.	Holmbush		-	15	
MF Jewel						119	10		6
45.65 Tex	215.			Widnesse.				10	t. English Co.
dilite	13 .			English Co.	Lusty W.			12	
diffic	71	9 11		1000 1000	ditte	61	- 1	1.3	S. Williams.
455500	38	18 7		Freemans.	ditto	68	9	18	6
distro	38	18 5		Nevill & Co.	Wh. Maide		11	- 1	6 . Ruglish Co.
ditto	68 .	6 8	B	Williams.	district	254	11	- 8	A. Nevill & Co.
46570 to	61 .	8 16	e.	English Co.	ditte	186	- 8		0
dirito	40	4 17	B	P. Grenfella.	ditto	154	3		C., English Co.
Politice				Fruemana.	Wh. Dame	mE24	4	10	6. Nevill & Co.
46054	94			100000	Trem, work	e 15	3	1.0	6. Freemans.
dillo	90			No.					
2000		- 10		TOTAL P	RODUCE.				
F		65.0	4				. 10	98 .	af 1906 19 6

	TO SHOW		A.mov	1900	dia.	
Mines Royal Company	818		# KUT	0		
English Copper Company	2644		Dank			
Virtue and from contract the same	3. 6		1,5439	11		
Freeman and Co	454	M 14+4 +	\$2 LB			
Caveled and Supe	2.70		2114			
Simo, Willyama, Meetlle, Druge, and Co	176		1813	18		
Williams, Foster, and Co	50° 48		4719		9	
Commence of Commence and Commen						

SALE OF BLACK TIM,

By Ticket, on the 17th and 18th of May, at Pen

	86.					unt.	Purchasers.
Wheal Bu	dnick	. 12	E 88 5	0	579		Boithos and Ca.
ditto			45 10	U	372		L L.C.AW.Dauber
ditto		. 7	46 0			. 4	ditto.
ditto	******	. 2	35 10	0	71		Grentell and Co.
Wheal Ma	ay	. Ilé	46 2	6	553	8 1	L.C. &W. Danker
ditto		. 116	48 2	6	553	. 1	Williams and Ca.
Charlestov	FB	. 112	47 10	0	558	2 6	Bolithos and Co.
ditto	*******	. 24	46 5	0	115 1	2 4	L L.C. & W. Daubus
ditto		. 2	43 10	0	87		Bolithos and Co.
ditto	*******	. 1	36 0	e	36		ditto.
ditto		. 1	49 15	0	29 1	6 3	ditto.
Polgooth		. IC#	49 7	6	495	6 16	Williams and Ca.
		. 11					
		. 24					Bolithos and Co.
	Tot	al tons, 844.	-Total	amount,	£2018		8.

EXPORTATION OF GOLD AND SILVER.—By the official return publishes the Customs, the export of the precious metals from the port of London to for and colonial ports, for the week coding Thursday, the 1sth inst., was as under

MAKER	COMP										27,000	Ottnoes
			Rot	terd	Am				 	. ,	88,500	
	00		Ma	uriti	168	**					3",145	**
	80			coa.							15,000	
				tish							1,090	
Sliver	bars										5,000	
			Rot	terd	AII		*				88,600	
Gold e	coim t	n ?	New	Yor	k		2.1		 *		510	00

LATEST CURRENT PRICES OF METALS.

			4	4
BON, EngBar ton 0 0 0 to 7	1 8	a .		Corran-Foreign (dy. 37s.) -
Do, Carg.in Wales				
Hoops fon 10		ä	4	Bars 4 4
Sheets, fon II		a	-	Banca 0 0 0 to 3 15
Pig. No. 1 fun 3	4 7	á		
Do. in Wales 4	4 7	ä		Straits 0 0 0 to 3 13
oreign- (Sweden, cn. &d. ton 12				Tin Plates-1.c. (box) 1 11 0 to 1 15
Russian com fon 14				(Others in proportion.)
Duty 30s. P.s.L fon 15				Luan, BritPig ton 20 10
per ton. C.C.N.D. fon 18			0	Sheet fon 21 &
STREE, Eng. Blistered, 25 0 0 to 45				Shot fon 22 10
Shear do. do. 45 0 0 84				Red ton 21 10
Cast do. do. 45 0 0 84				White (dry) fon 26 10
foreign- [Swedes in kgs 6d for 16	10			Do. (gd. in oil) for 24/ a 2
Duty 20 Do. Faggots &d. ton 19	10	4 1		Foreign-Span. (dy. 40s.) . 20 5
per cent. Milan bd. ton 6		4 7		SPELTER 0 0 0 to 28 15
Corrus, Brit Cake fom 96				For delivery 0 0 0 to 28 5
Tile do. 94				English Sheets 39/ a 41/
Sheets ib. 0				Quicusiavam-(dy. id. per ib.) 0 3 1
				ain strady, at the quotations, with little

EXPORTS OF BRITISH AND FOREIGN METALS

From London and Liverpool, for the month ending April 30, 1841.

	British		Foreign		Total.
Iron tons	14,742	*******	278	 	15,020
Steel	132	*** ****	43	 	178
Copper	13	**** **	248		
Do. sheets	574	*******	-		574
Tin	74	******	184	 	268
Do. plates. boxes		***** *	-	 	15,442
Lead tons	273	******	253		526
Spelter	-	***** *	82		#2
Quicksliver lbs.	-	*******	83,931	 	83,931

COAL MARKET, LONDON.

MONDAY.—Price of coals per ton at the close of the market:—Adair's Main 13-6
—Buddle's West Hartley 17-6—Holywell Main 18—Original Windsor Pontop 16-6—Pontop 15-9—South Hartley 16-6—Tanfield Moor Bute's 20-Taylor's West Hartley 17-West Hartley 18-Williagton 19-6—Wal's Hed Bewick's and Co. 19-6—Brown's 17-Hilds 18-Küllingworth 18-6—Newmarch 17-6—Northumberland 17-6—Witham 15-9—Hetton 22-Lambton 22-Whitwell 19-6—West Keilos 19-6—Hartlepool 22-Barrington Tees 16-3 Ciarence Hetton 16-8-South Durham 19-6—West Hetton 18-3—Howard's Netherton Main 16-9—Llangennech 24-6—Shipa arrived, 26.

wEDNEADAY.—Buddle's West Hartley 17 6—New Tanfield Moor 18—Old Tan-field Moor 18—Original Windsor Pontop 16 6—Pontop 16—Sou'h Hartley 17—Tan-field Moor 20—West Wylams 16 3—Wall's End Perkins 17 6—Withan 18 9—Brad-dyll's Hetton 21 9—Hedley 18 6—North Dutham 13 6—Pemberton 19—Stewart's 27 3—Kellow 21 9—Adelaide 20 6—Barrington Tres 16 6—Brown's Deanery 19 6— Seymour Tres 19 3—Howard's Netherton 18 2.—Ships arrived, 30.

seymour Tees 19 3—Howard's Netherton 16 3.—Ships arrived, 30.

FRIDAY.—Buddle's West Hartley 17 6—Carr's Hartley 18—Holywell Main 18—New Tandeld Moor 15—Old ditto 18—Ord's Redheagh 15—Orginal Windsor's Pontop 17 3—West Hartley 18 6—William's Hartley 16—West Wylam 16—Wylam 16 3—Walf's End Cleonell 16 6—HBda 18—Killingworth 19—Newmarch 17 6—Northumberland 17 6—Perkins 17 6—Witham 15 6—Braddyll's Hetton 21 9—Hetton 22—Lambton 22—Russell's Hetton 21 9—Stewart's 2: 3—Hartleyool 22—Tennant's Hartleyool 26 6—Adelaide 29 6—South Durham 19 6—Ten 26 6—Hartley 18 —Merthyy 24.—Ships arrived, 27.

PRICES OF MINING SHARES.

Shares. BRITISH MINES. Paid. Price	Shares. BRITISH MINES. Paid. Price
\$60 Angiesey . \$	4,000 United Hills
5,000 Cornwall Great United 104 1	FOREIGN MINES. 5,000 Alten Mining Company 124. 8
5,000 Dartmoor Consols 5 1 18,000 DurhamCountyCoalCo. 87	10,000 Anglo Mexican Co 100
6,000 De Dunstanville 1,000 Duffield 3011	Ditto Scrip 18
1,200 East Mulberry Hills 34 1 2,200 Great Wh. Prosper 74 61 4,030 Great Wh. Charlotte 3 2 14	10,000 Bolivar
10,000 Hibernian	10,000 Conceleso Co. 4 12,000 Colore Copper Company 46 274 5,200 Colombian Co. regis 35 2
5,000 Mining Co. of Ireland 7 . 164 6,000 Polhreen 4	10,000 Copingo Mining Co 134 . 9
5,000 Relistian	2,000 Mornitas and Cornes 25
900 South Towan 10 . 1 4,000 Tregellan	Ditto Loan Notes 150 160
4,565 Tamar Consols	11,000 St. John d'et Rey 144. 94
194 Trevaskus	Red New Scrip b 4

RAILWAY SHARE LIST AND TRAFFIC RETURN

Line.	Entire Lgth.		Prevent ac-		Val. of Shore.	Last week's Returns.
Birmingham & Dreby June.	48	364	# 853,544	100	70	1002 11 8
Birmingham and Gloucester	824	Ace.	1,013,723	146	494	1441 1 0
Dundee and Arbroath	148	164	104,894	29	27 6	204 8 44
Eastern Counties*	1254	174	1,476,170	23	80	846 18 A
Glasgow and Ayr	31	49	CB0,543	40	3ng	A77 0 10
Clasgow and Painley Joint	61	6.0	255,000	236	255	739 11 24
Grand Junetion	974	874	1,554,000	1.60	211	mint I A
Great North of England	73	45	- 1 ,6roit, mas	948	75	1101 18 12
Great Western	117	91	5,266,644	65	94 54	8165 7 4
Hudl and Selby	31	.81	460,060	54	476	800 14 8
Lancaster & Preston June.	202	204	364,606	434	31	470 11 @
Liverpool and Manchester	31	51	1,410,000	Loss	1.000	4561
London and Birmingham	1129	1124	5,774,897	940	139	14506 1 .
London and Blackwall	34	54	807,086	35	185	000 1 B
London and Brighton	814	34	L-091_086	Ast .	413	124 15 8
London and Croydon	104	204	747,560	134	134	712 10 T
London and Greenwich	24	3.4	795,566	-		1400 10 0
London and South Western	95	754	2,265,862	1052	86.4	Allen .
Manchester, Bolton, & Bury	18	10	279,606	186	5.0	144 1 1
Manchester & Birmingham	45	3.	1,166,612	44	28	2.4 14 4
Manchester and Leeds	28	10	2,513,546	54	86.0	2002 IN B
Maryport and Carlinle	28	2	241,000	340	-	
Midland Counties	1.7	1.7	1,440,500	100	-	9004 7 78
Newcoulde and Carlinle	Gerj.	435	750,460	194	Sale	1001 28 8
Northern and Eastern?	570	194	356,813	5.0	97	248 8 8
North Midland	728	729	2,839,640	100	29 60	3543 4 24
Nurs Union !	23	28	MESS, PARK	234	59	1013 9 15
Presion and Wyre	154	194	271,000	30	24	450 A A
the Brid and Rotherham	34	84	136,517	36	-	
Clarest by Since Property being a	25		239,740	994	-	107 1 11
Fork and North Minland	20	200	445,3465	50	73	100 1 11